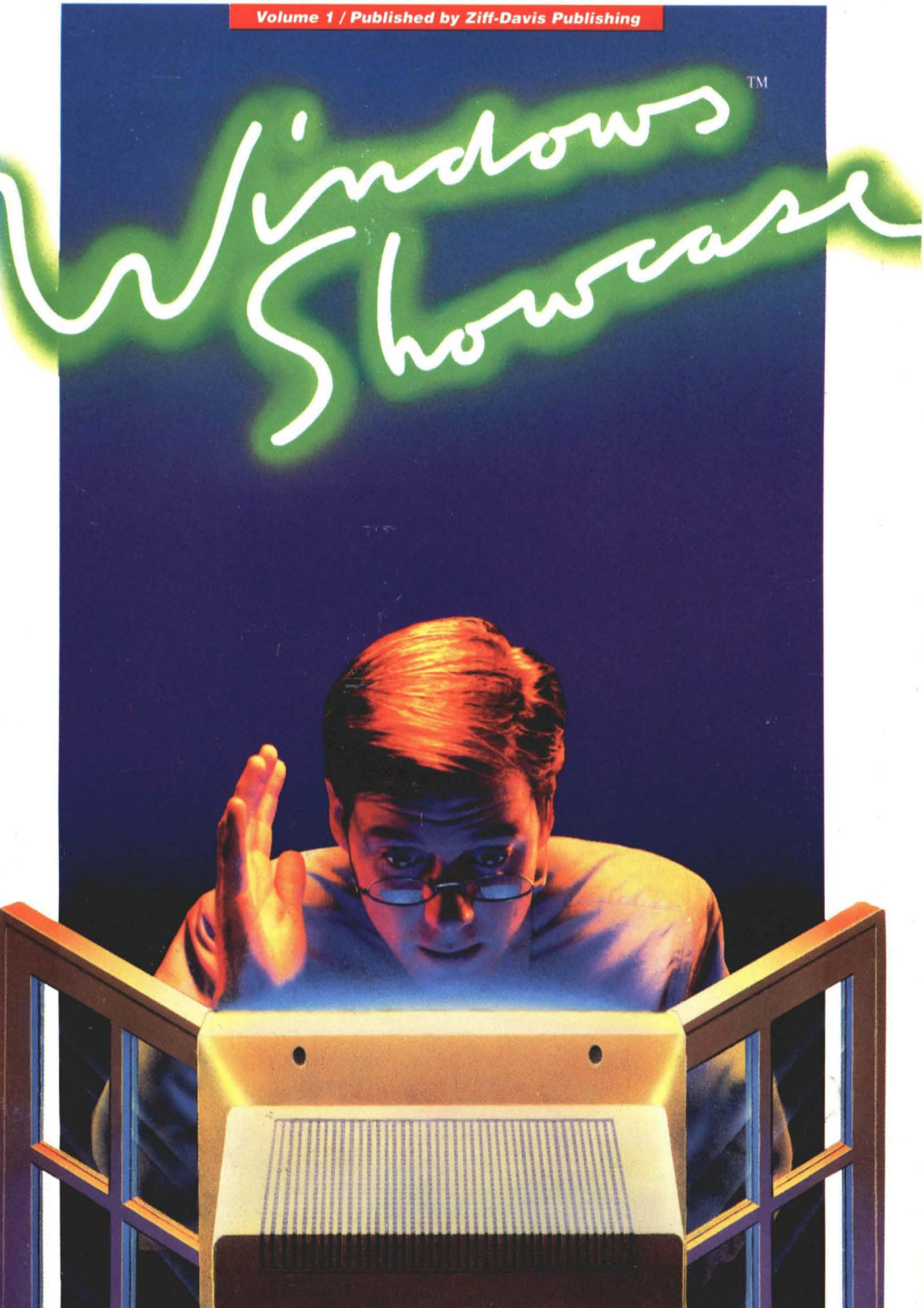
A catalog of products for Microsoft® Windows™

Volume 1 / Published by Ziff-Davis Publishing

Windows™ Showcase



Meet your Win

As you've probably heard by now, there are quite a lot of things to see and do in the Windows™ environment. And the Microsoft® Mouse is the perfect way for you to take in all the sights.

Its sleek, award-winning shape was designed to fit your hand perfectly. So you'll find it's easy to maneuver and incredibly comfortable to use.

Maybe that's why over 3 million

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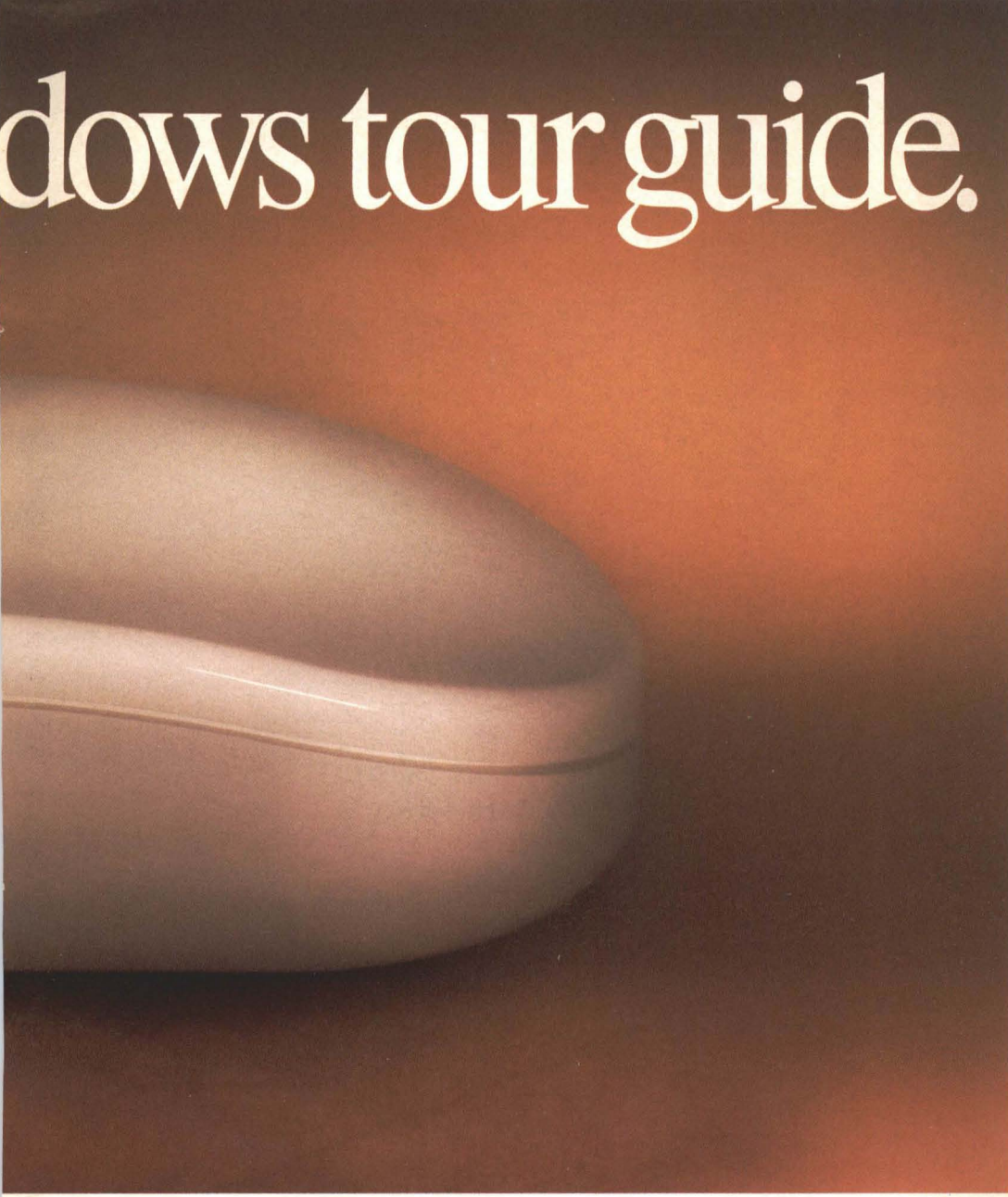

people have chosen the Microsoft Mouse as their personal Windows computing guide.

So if you'd like more information on the industry-leading Microsoft Mouse, just call (800) 541-1261, Department V53.

Or head on over to your nearest dealer. They'd be more than happy to arrange a tour just for you.

Microsoft

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Windows™ Showcase

A Catalog

of Products

for

Microsoft® Windows™ 3.1

Volume One

ZD Ziff-Davis Publishing

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Windows™ Showcase

Presenting Products for Microsoft® Windows™ 3.1

This catalog presents today's fastest-growing segment of PC products—the software applications, hardware devices, and related computing tools and publications designed for Microsoft Windows operating system version 3.1.

Take Advantage of Windows 3.1

Millions of users worldwide have made Windows their standard operating system. Why? Because it makes their PCs easier to use. But, it's not just Windows itself that's caused such a change in the last few years. It's also the thousands of innovative products that work with Windows. This catalog will give you a look at some of them.

These products reflect every aspect of computing, including using spreadsheets and databases, managing projects, preparing word processing and desktop publishing documents, designing presentations and graphics, communicating electronically, keeping schedules and other information up to date, managing and optimizing your PC, and even playing games and enjoying leisure activities. In addition, many publications and services are available to help you maximize these products and discover the power and effectiveness of Windows 3.1.

ONE-STOP WINDOWS SHOPPING.

Buying Windows is just the first step. Now you'll need advice to choose from the more than 1500 Windows programs available, and support to get the most out of this investment. ZiffNet, the on-line service all about computing, is the place to get *all* of this.

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Microsoft has incorporated suggestions from many users in this latest version of Windows. This new release improves the product in three ways: 1) its ease of installation, learning and use, 2) its support of applications through TrueType® scalable font technology for improved output and smarter cut-and-paste, and 3) its performance and robustness.

Products that Deliver the Best of Windows 3.1

Look for products that take advantage of the Windows operating system and the latest features of Windows 3.1 in the following pages.

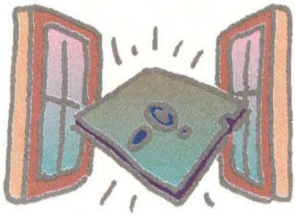
To make your shopping easier, we present two categories of merchandise: first, software applications and other services for Windows. Second, the latest hardware you'll want, to make the most of the Windows operating system's power and performance.

And to help you make the smartest buying decisions, we've included a discussion of what you need to know about software for Windows and Windows-compatible hardware in the introductions to those two sections of the catalog.

At the end of these sections you'll find complete indexes that make it easy for you to find what you're looking for: all the products for Windows 3.1 featured in this catalog, listed by product category, by product name, and by company name.

Combining and using these new products innovatively is the strategy that offers the best of Windows 3.1.

Windows™ Showcase



Presenting Software Products for Microsoft® Windows™ 3.1

Many of the finest PC applications developed by the software industry's top companies are available for the Windows operating system. They're optimized to make the most of the multitasking capabilities in Windows, support for communications among applications, and standardized user interface. The latest entries into the software market take advantage of the most recent release of the operating system, Windows 3.1.

The following sections go over just a few of the many improvements to Windows.

Windows Lets You Use Your Software to Do Many Things at Once

Windows is designed to make performing many tasks that involve several PC applications easier and faster than under the MS-DOS® operating system. The redesigned Windows 3.1 File Manager makes browsing among files and folders easier, and now manipulating files should be easier and faster too. Improvements to the Program Manager include wrappable icon titles and the ability to launch a group of applications automatically at startup.

The following example illustrates how the Windows operating system lets you do many things at once. A financial analyst uses a communications program for Windows to connect to the Dow Jones News Retrieval service to obtain historical stock prices and to copy the prices to the Windows clipboard. He then pastes the stock price data into a Windows-based spreadsheet for inclusion in a portfolio tracking worksheet. After that he uses the spreadsheet's graphing function to create a bar chart, and copies both the chart and the tabular data into

a document using a Windows-based word processor. Finally, he incorporates a chart of the data into a graphics presentation using a Windows-based graphics program. He does all this without leaving the Windows environment, and all in less than an hour. And if he so desires, he can automate most of this process using the script languages and linking facilities of these programs. In short, he gets his work done smoothly and quickly using a combination of application programs.

Improvements in Windows 3.1 that make it easier to use many programs include a new diagnostic tool, Dr. Watson, which offers information about errors that may occur. Also, you can now use CTRL-ALT-DEL to close an application that "hangs", eliminating the need to exit and restart Windows.

Windows 3.1 Users Have Built-in Scalable Fonts

Also new to version 3.1 of the Windows operating system, TrueType® scalable font technology, developed to meet the needs of type professionals and graphic designers, gives you instant access to fonts in any point size. There's nothing extra to buy or install; four TrueType scalable font families ship with all copies of Windows 3.1. Because TrueType is also offered for the Mac®, you can use the same fonts with Windows and a Mac without having to convert them.

Windows Enhances Applications that Work with It

Running in the Windows environment, an application program becomes more than the sum of its parts. Because applications that support Windows Dynamic Data Exchange (DDE) can swap commands and data in real time, they can function more as a system than as a set of discrete programs. When you think, for example, about the ability of a Windows-based spreadsheet to take advantage of, via DDE, the document management features of a Windows-based filesharing program, the scheduling capabilities of a Windows-based scheduler, the reporting strength of a Windows-based word processor, the graphics presentation power of a Windows-based graphics program, and the communications features of a Windows-based communications program, a character-based spreadsheet doesn't stand a chance in the Windows environment.

Compound Documents Are Now Easier to Use in Windows

More and more applications for Windows are taking advantage of object linking and embedding (OLE), a feature that makes it easy to create a compound document, like, for example, one with a worksheet from your Windows-based spreadsheet and a series of graphics from your Windows-based presentation package. OLE's main strength is that it makes accessing, editing, and presenting data from a number of application programs, in one file, a lot

easier than ever before.

As its name implies, OLE brings object linking and object embedding to Windows. With object linking, you can copy a spreadsheet file, for example, into a word processing document and link the two so that any changes you make in the original spreadsheet file will automatically update the worksheet in the word processing document. Using OLE this way is similar to using DDE to link two files and automatically update a document when the original changes, but OLE takes things further: all you have to do to summon the spreadsheet program and the original worksheet file is simply click with a mouse on the worksheet data as it appears in the word processing file.

Object embedding takes things further, letting you make changes to the original data at the same time that you edit the worksheet in the word processing document. The main difference between object linking and object embedding is that with object embedding, the original copy of the spreadsheet file is actually located in the word processing document. That way all you have to do is double-click on the worksheet to access and edit the actual data. Behind the scenes, OLE automatically launches the spreadsheet program, so that you can edit the worksheet area of your word processing document without ever leaving the word processor. Together in the OLE feature, object linking and embedding make using and editing data from different applications, in one file, a cinch.

The Windows Interface Makes Software for Windows Easier to Learn and Use

Because the basics of how to use every application for Windows—how to open files, how to copy data, how to print—are the same, you don't have to struggle with learning them for each application. Instead, you can devote your energy to the job you're trying to do.

Moreover, each application's advanced, specialized features are much more within the reach of users because the consistency of the Windows interface makes learning to use each of them easier. In contrast, knowing how to read a file in a character-mode application gives no clue to printing in that application, let alone reading a file in another application.

Windows Lets You Build a Customized Suite of Applications to Meet Your Needs

Users have a far greater ability to customize applications with Windows running on their PCs. Even with no programming experience, the adventurous user can customize menus, integrate tasks spanning multiple applications, and otherwise turn a collection of diverse programs into a highly personalized suite of applications tuned to the needs of his or her job.

Windows offers a variety of reasonable approaches, one or more of which

should handle just about any programming project this side of creating a professional desktop publisher or spreadsheet from scratch.

New versions of tools like script languages, macros, and batch files make this possible. By taking advantage of the multitasking capabilities in Windows, its support for communications among applications, and its standardized user interface, these tools have been enhanced tremendously. Using them, it's possible to create slick, polished applications that link the capabilities of multiple off-the-shelf programs with little more effort than it takes to write an extensive spreadsheet macro.

The options available for the would-be programmer range from the powerful script languages built into many Windows-based applications to extended batch languages, and from Hypercard-like development tools to high-end tools.

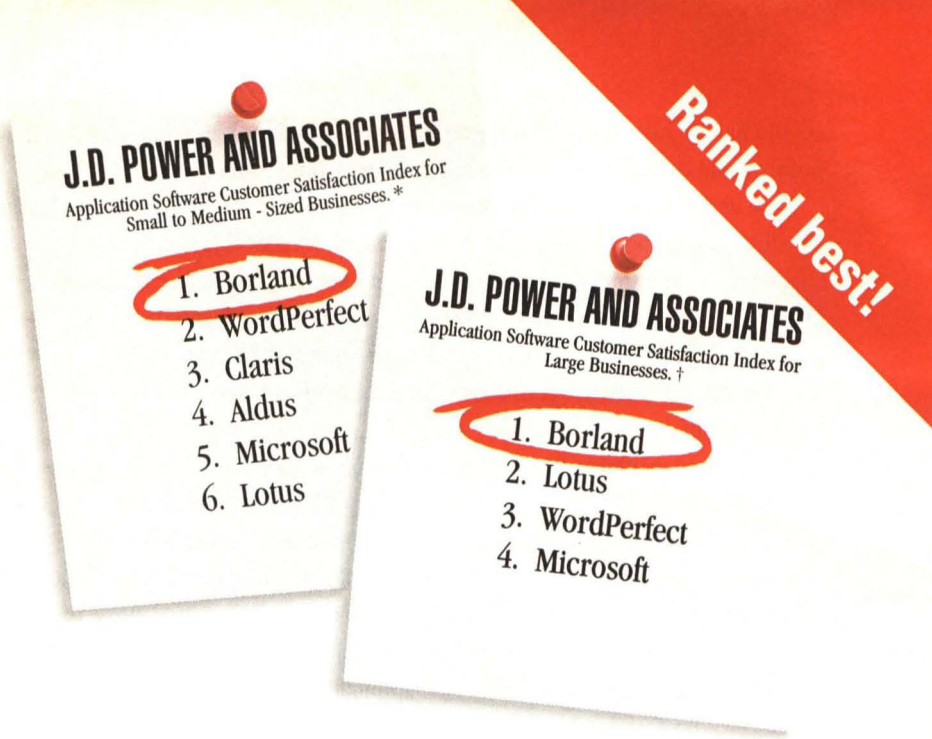
These products customize off-the-shelf applications or construct full-fledged standalone programs. But they share one important quality: they allow the adventurous PC user, even one with no programming experience, to build the kind of sophisticated, functionally rich applications that were once the sole province of professional programmers. In doing so, they free experienced users from near-total dependence on commercial programs, allowing them to build suites of applications specifically designed to meet their needs.

Software Applications for Windows 3.1 Offer More Choices, the Best of Today's Computing

Many of the new software products available for Windows 3.1 represent the best of today's computing experience. They are among the most sophisticated PC software available, especially in spreadsheets, communications, desktop publishing—in fact, in almost every category of computing. And you can expect their number to increase significantly in the near future. With the added competition, you can bet on new advancements that promise to make computing even more rewarding for both new and advanced users.

So if you're not yet the avid user of a suite of software applications for Windows chosen especially to suit your needs, what are you waiting for? It's the perfect time to get started, as you'll see from the variety of high-quality programs described in this catalog's pages.

Choose among the following software products designed to offer you the best of computing with Windows 3.1. . .



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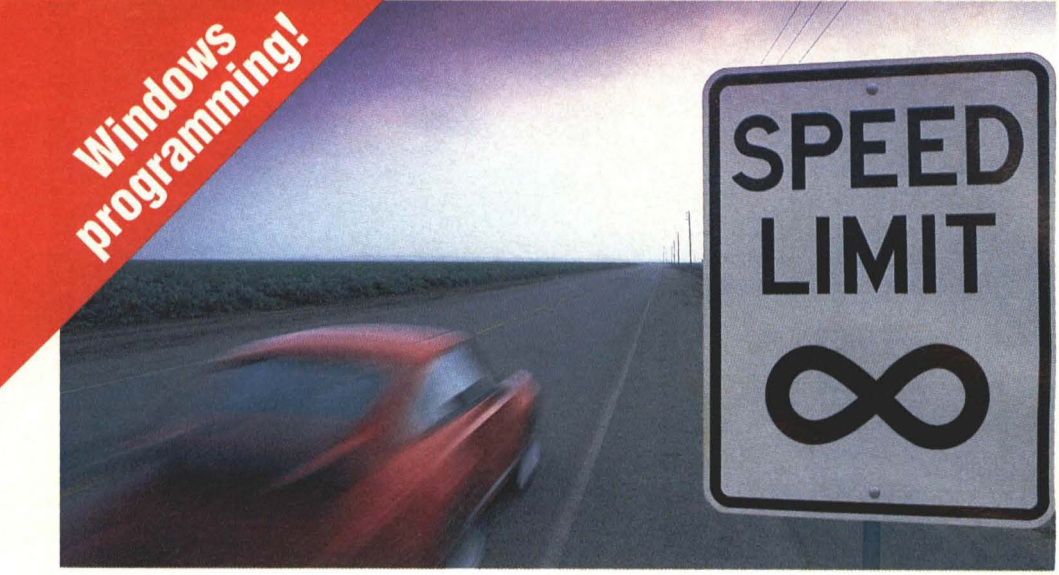

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REPORT CARD INFO WORLD

Turbo Pascal for Windows
VERSION 1.0

Criterion	Score
Performance	
Programming environment	Excellent
Language extensions	Excellent
Debugging	Excellent
OOP implementation	Excellent
Documentation	Excellent
Ease of learning	Very Good
Ease of use	Excellent
Error handling	Very Good
Support	
Support policies	Very Good
Technical support	Very Good
Value	Excellent
Final score	**9.1**

Turbo Pascal for Windows received one of the highest scores ever in InfoWorld *(June 3, 1991).*

Get the critics' choice!

Turbo Pascal for Windows goes the distance with the critics, too! David Gerrold in *PC Techniques* (July–August 1991) says, "**If I had to pick one killer 'app' for Windows, I'd pick Turbo Pascal for Windows.**" *Windows and OS/2 Magazine* states, "**The speed of the compiler is a pleasure to experience.**" (Sept. 1991). *InfoWorld* proclaims, "**Turbo Pascal sets the standard for Windows programming. The ObjectWindows library makes (it) extremely easy to use.**" (June 3, 1991).
Turbo Pascal for Windows. The easy way to go the distance.

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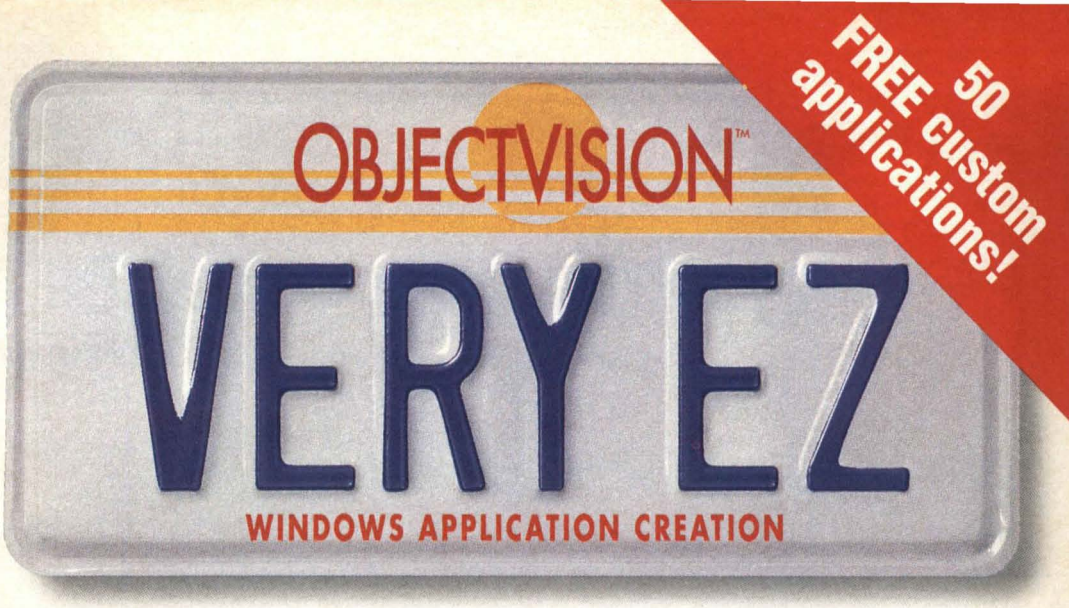

Get your creative license to Windows!

New ObjectVision™ 2.0 is the easiest way to create your own Windows software applications. Fast. In fact, if you own Windows, you need ObjectVision to build software that is custom-tailored to your specialized job or process. And 50 custom applications are even included free, making it easy to get started.

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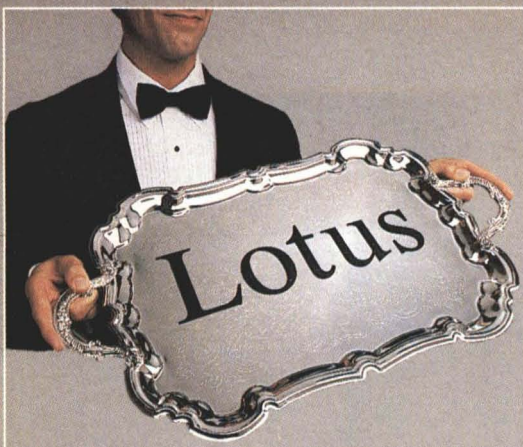

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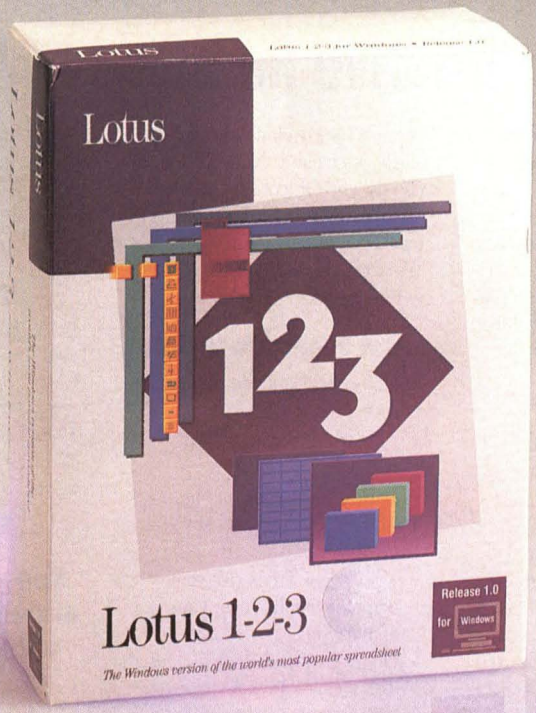

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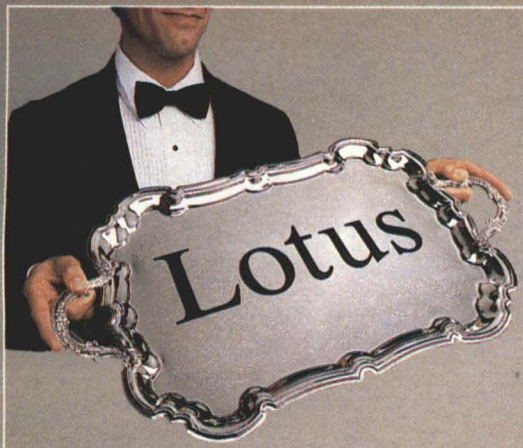

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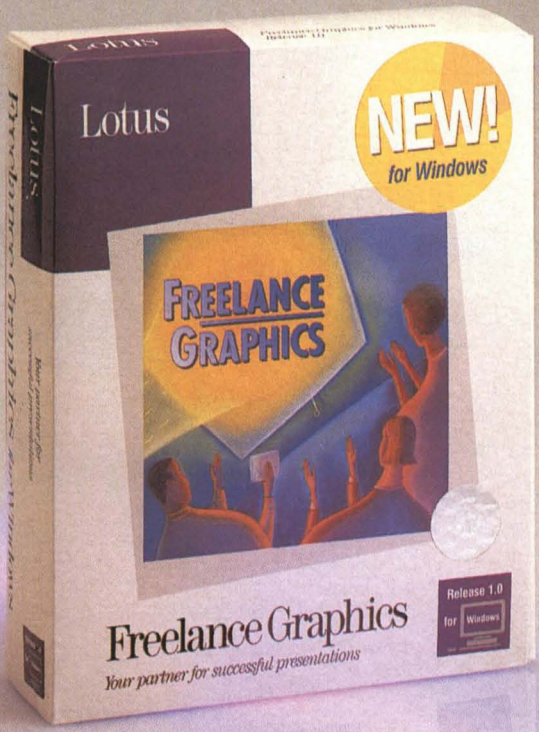

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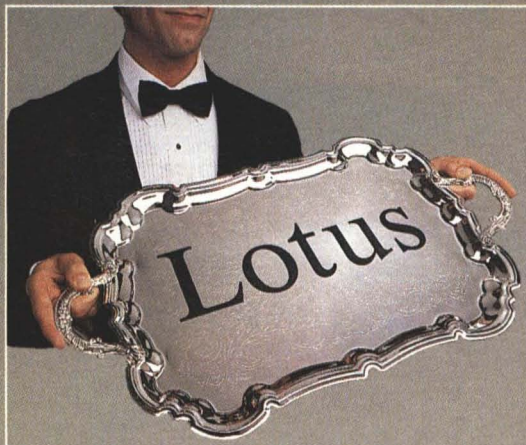

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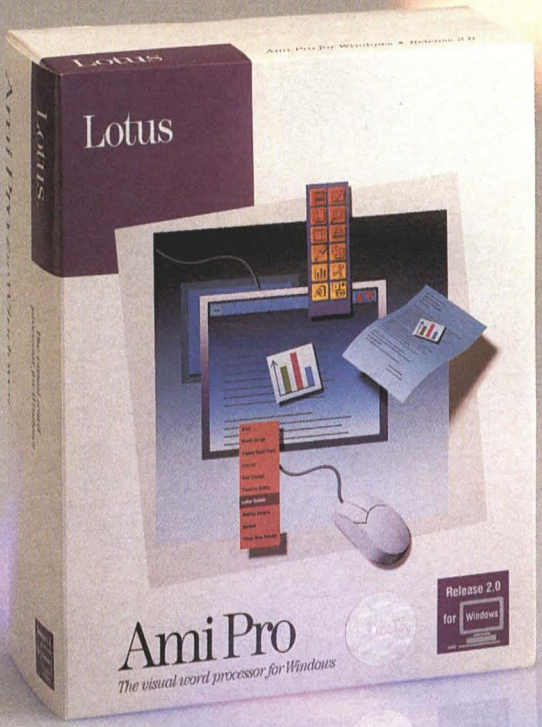

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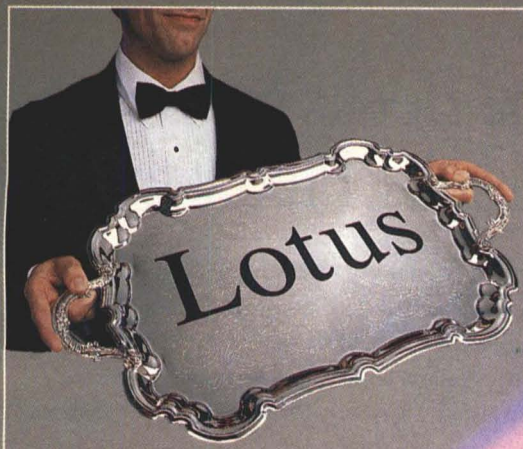

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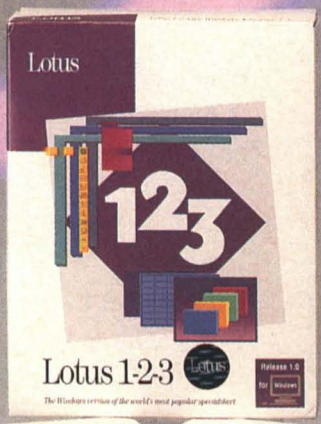

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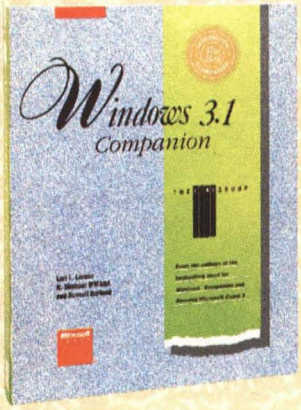

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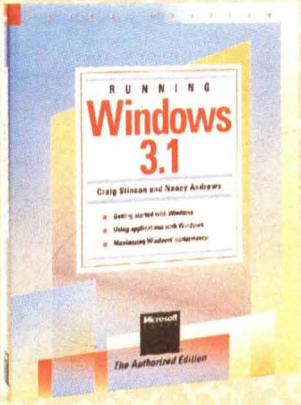

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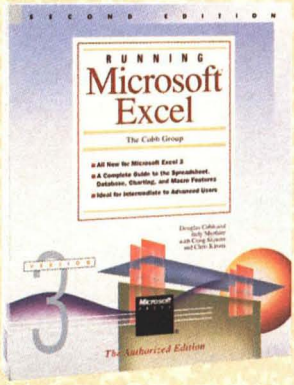

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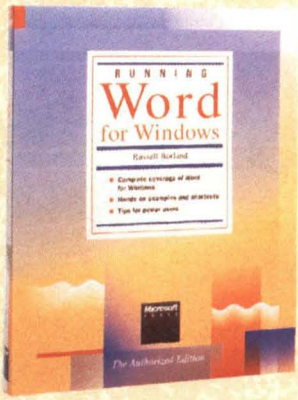

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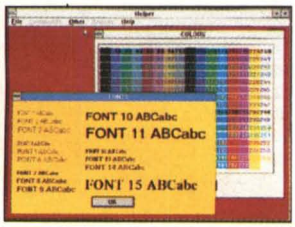

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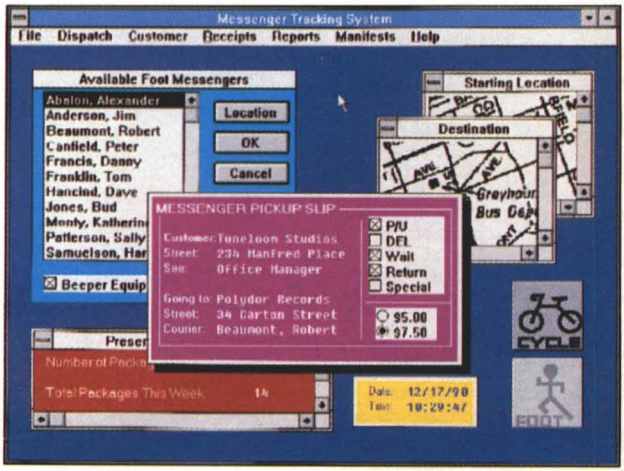

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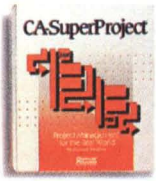

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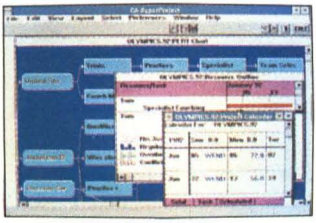

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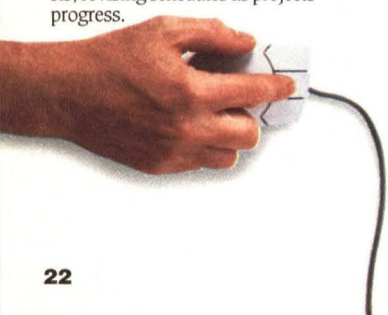

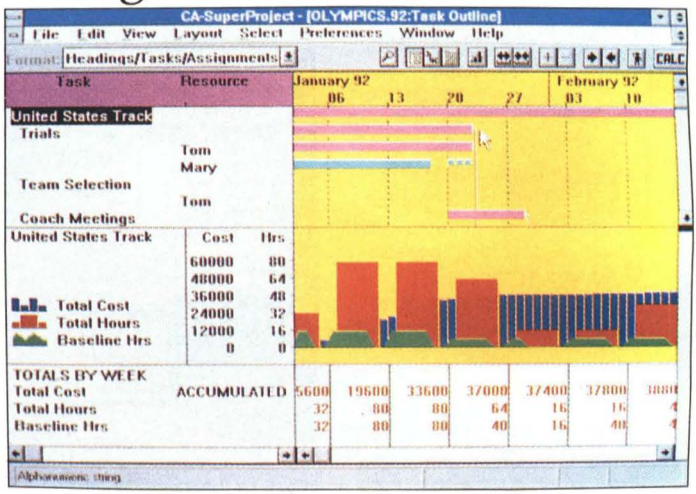

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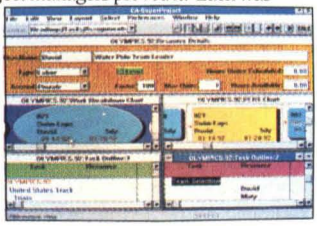

Show multiple views of the same project or different projects simultaneously.

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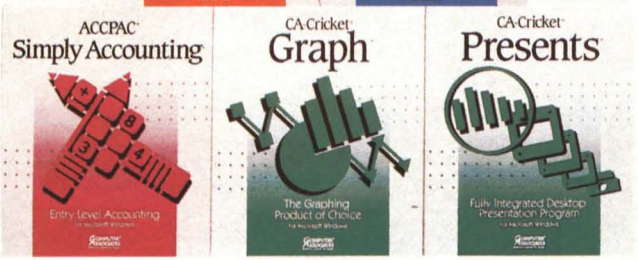

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"Carbon Copy for Windows is the closest thing to having remote control built into Windows itself." *Windows Magazine*

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Co/Session	No

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"With its clear Windows orientation and attractive user interface, it is definitely on my list of "must-have" programs for any Windows power user." *Windows Magazine*

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"This facility [file transfer] alone is worth the price of the program..." *Windows Magazine*

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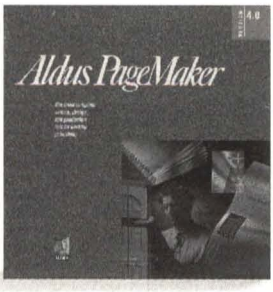

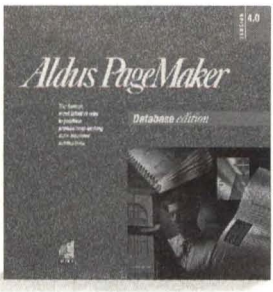

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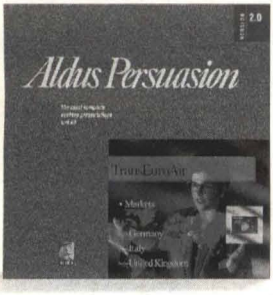

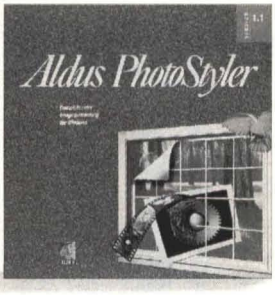

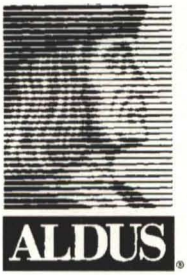

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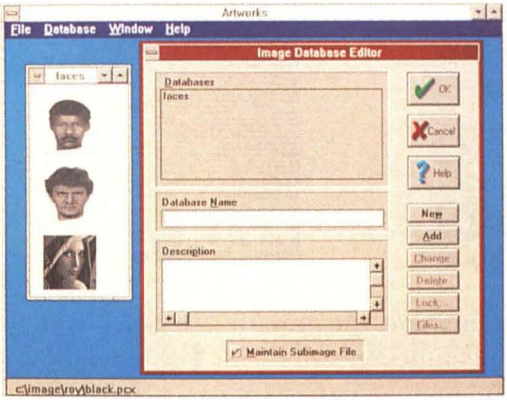

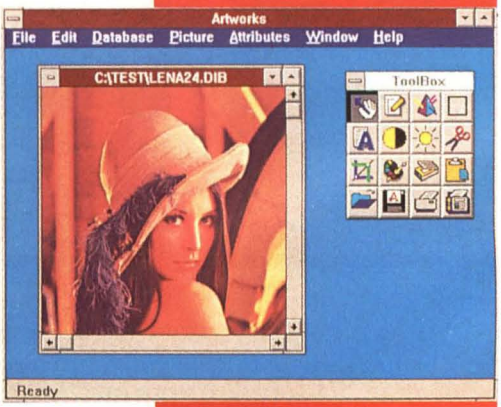

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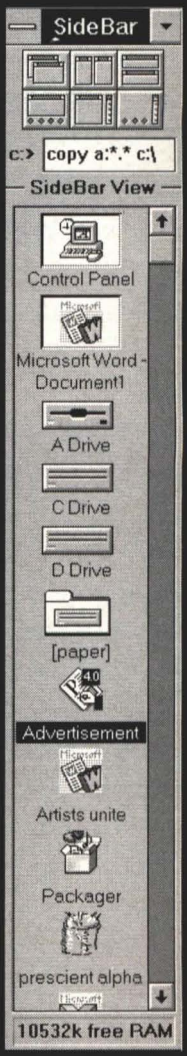

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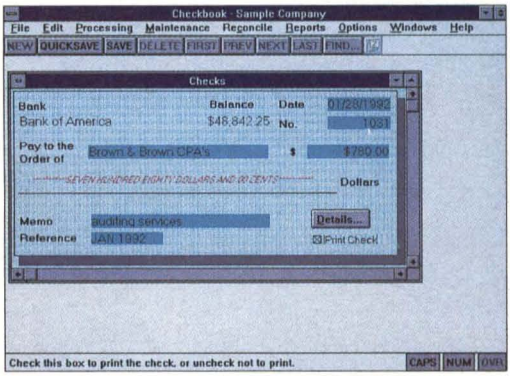
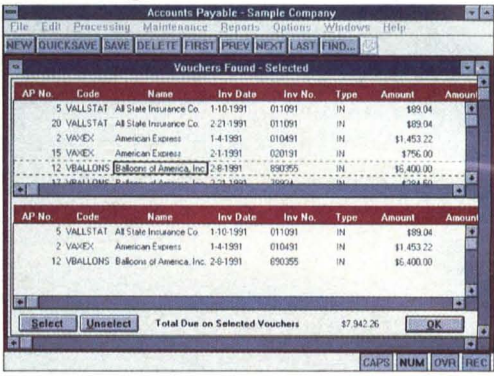
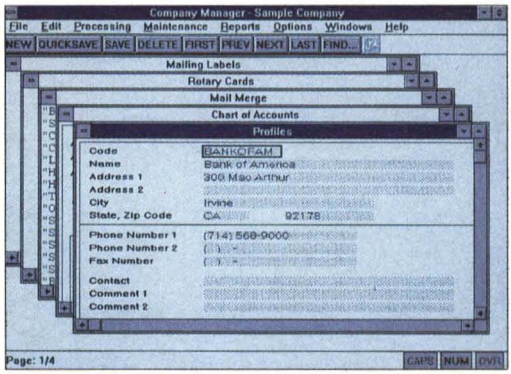
Four Properties of Great Windows Accounting Software:



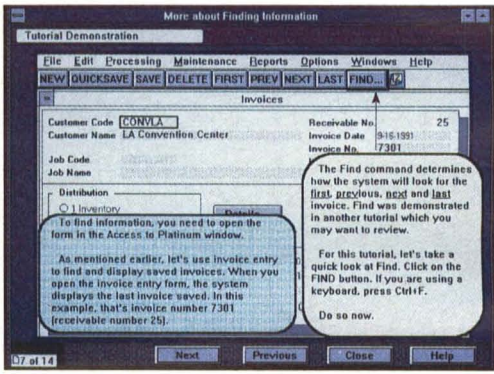
1. Data entry forms, such as this WYSIWYG check, that look just like their paper counterparts.



2. Elegant and simple procedures for performing standard accounting tasks, such as selecting vouchers for payment.



3. True Windows Multiple Document Interface (MDI) support that allows you to process and organize several different business tasks at once.



4. Graphical, on-line tutorials that contain straight-forward instructions for the first time user.

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Nowadays, you have to be an accountant or a programmer to figure out most accounting software—even the "user-friendly" Windows programs. That's why we created Access to Platinum®, the only accounting program that truly exploits the graphical features that make Windows so easy to use. Designed with small businesses in mind, Access fully integrates General Ledger, Accounts Payable, Accounts Receivable, Checkbook, Inventory, Job Costing and Time/Billing, and Payroll modules into one complete package.

User Friendly. Access to Platinum simplifies all the processes necessary to run an efficient accounting system. It features a "What You See Is What You Get" (WYSIWYG) approach to computing, meaning data input screens look exactly like the standard accounting forms you already know how to use. A comprehensive on-line tutorial fully explains the graphical user interface (GUI), data entry options, and common accounting terms. User manuals are task-oriented, with a primer on accounting principles. And the software is designed to protect the novice by making it virtually impossible to accidentally delete transactions or damage the database.

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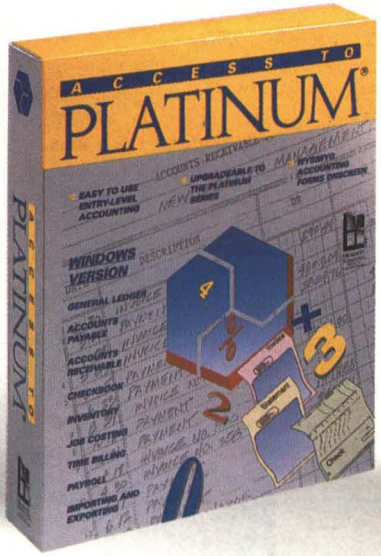
One HOT Property: Access to Platinum



Access to Business Power. With Access to Platinum, all accounting transactions occur in "real time," so you don't have to worry about posting or other complicated procedures. You always have instant access to the amount of cash on hand, and the financial status of your business.

First True Windows MDI Accounting Program. Access to Platinum is not merely Windows compatible: it's Windows proficient. Most Windows-based accounting programs are based on simple dialog boxes that are not fully interactive and only allow users to have one form window open at a time. With Access to Platinum, you can open several forms onscreen at the same time, and move freely back and forth between them.

Upgrade to Platinum. Access to Platinum is also available in a character-based DOS version, as well as network versions for DOS and Windows. Since both versions share the same database, you can easily upgrade from DOS to Windows versions, or run both on one network. And, as your company grows, you can easily upgrade to Platinum, the powerful accounting and management information system that was awarded Editor's Choice by PC Magazine.

Now that you have the power of Windows, get the only accounting software that fully exploits the Windows interface: Access to Platinum.

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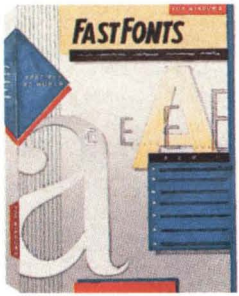

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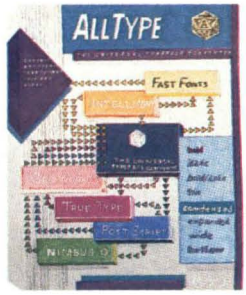

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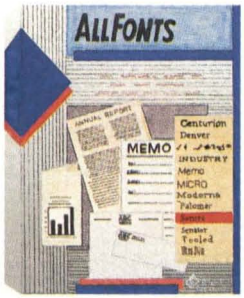

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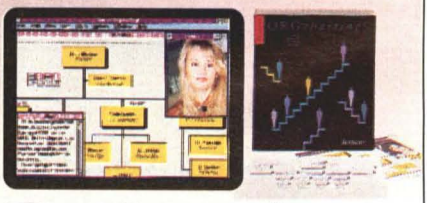

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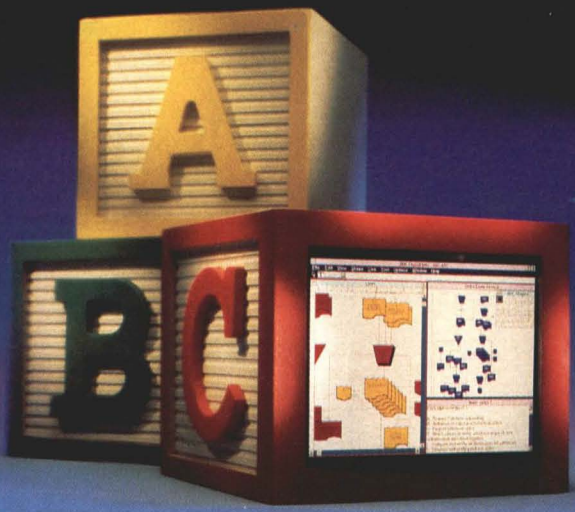

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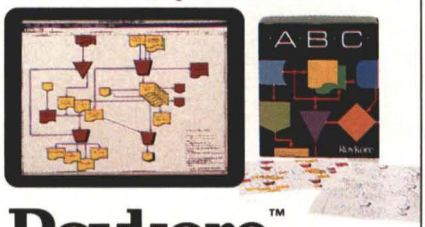

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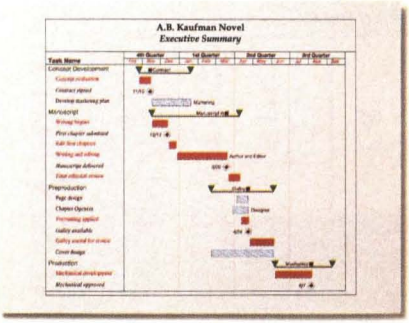
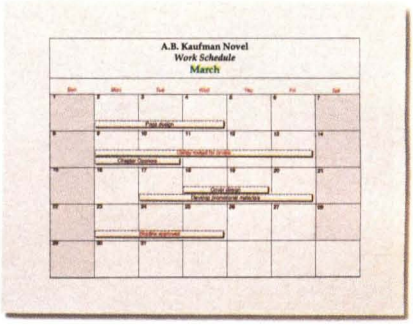


The staff wants to know when they can start.



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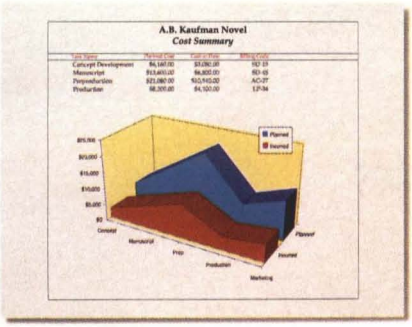

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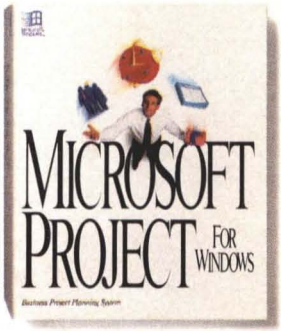

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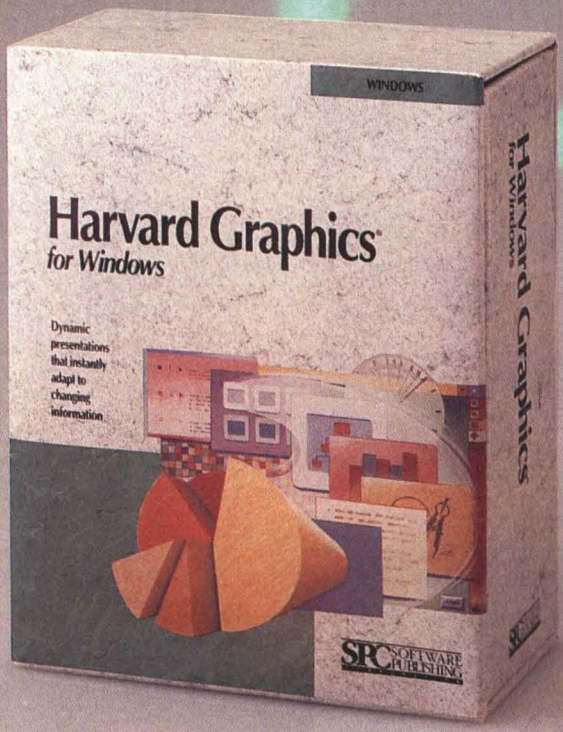

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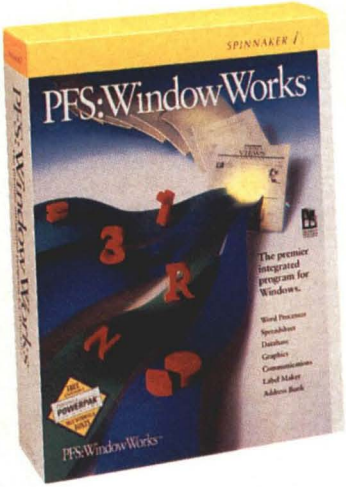

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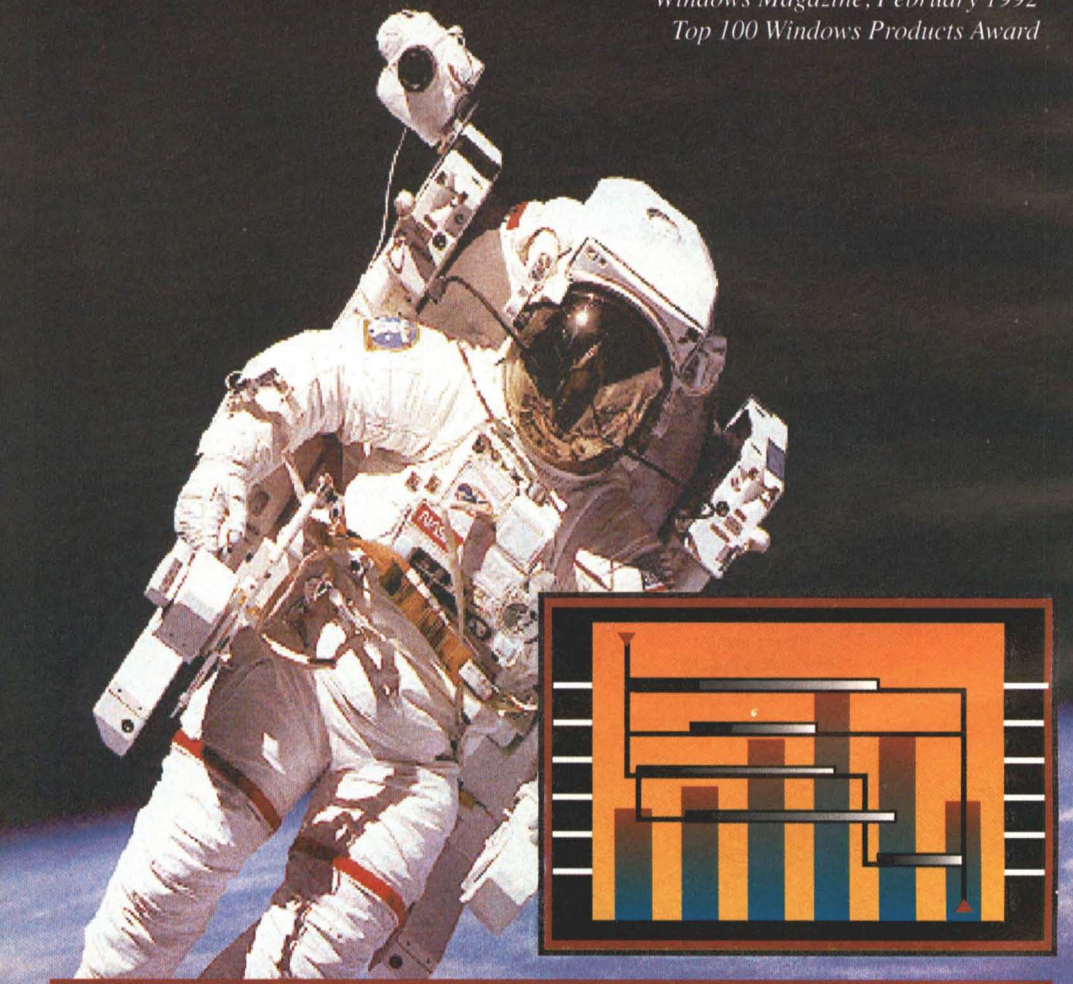

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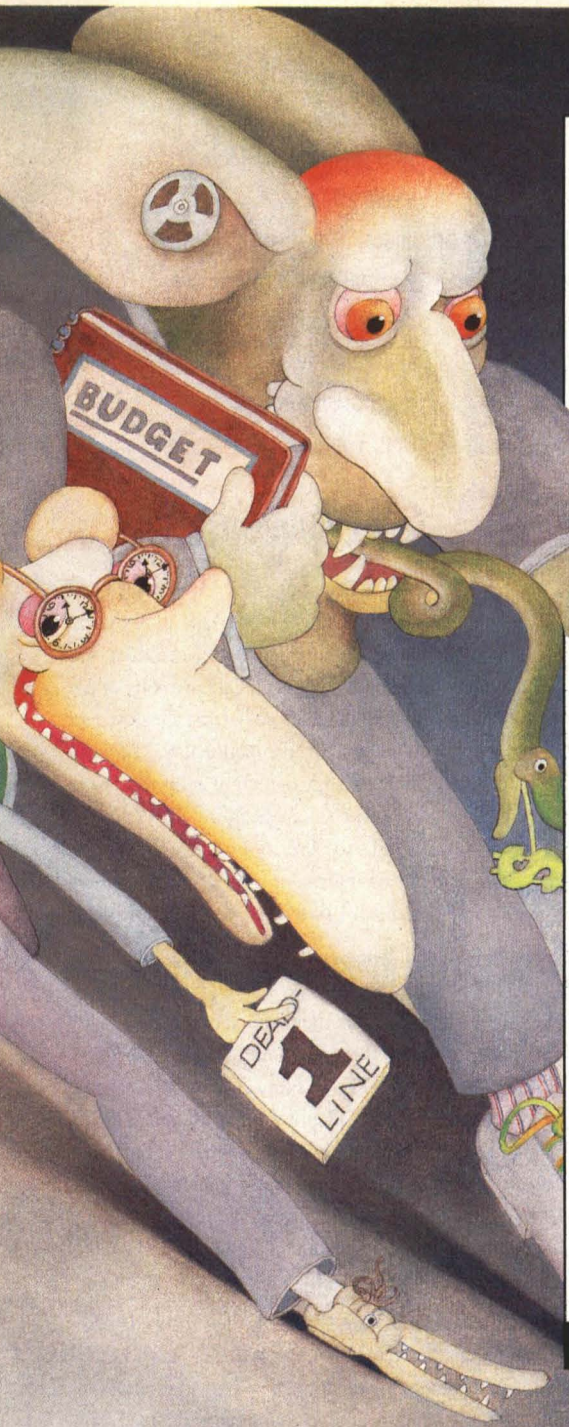

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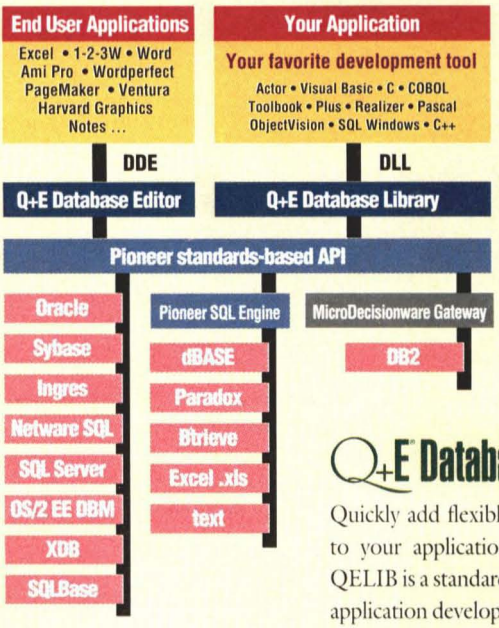

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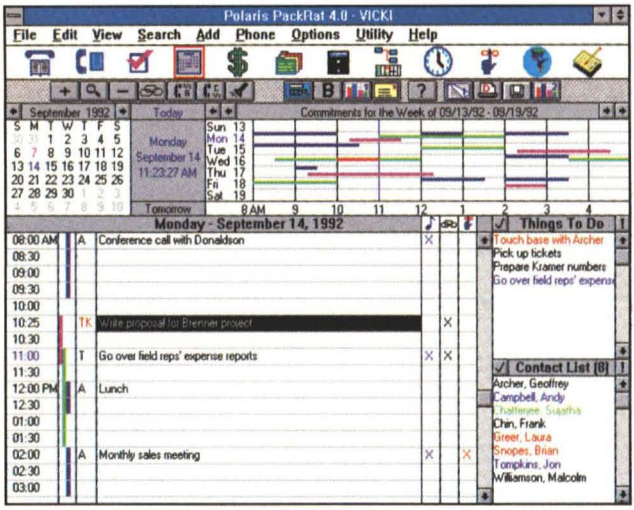

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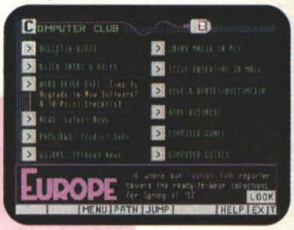

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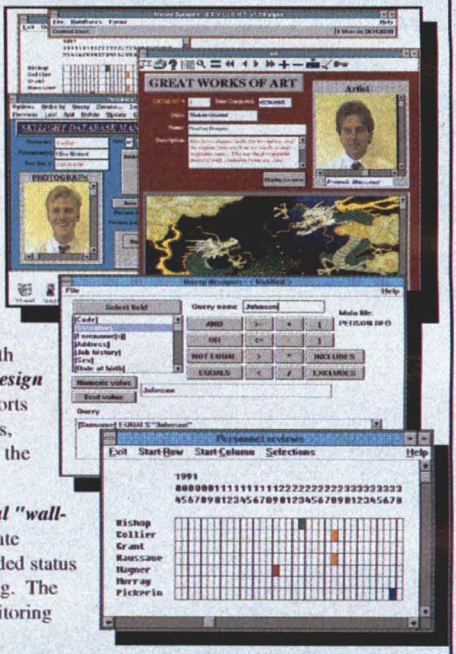

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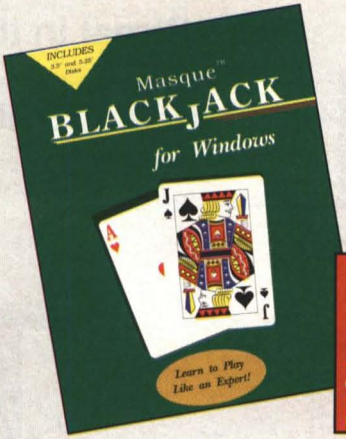

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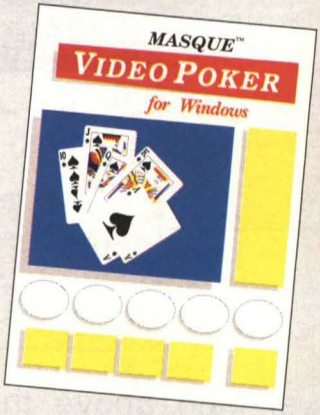

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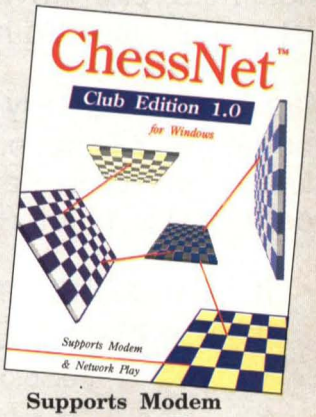

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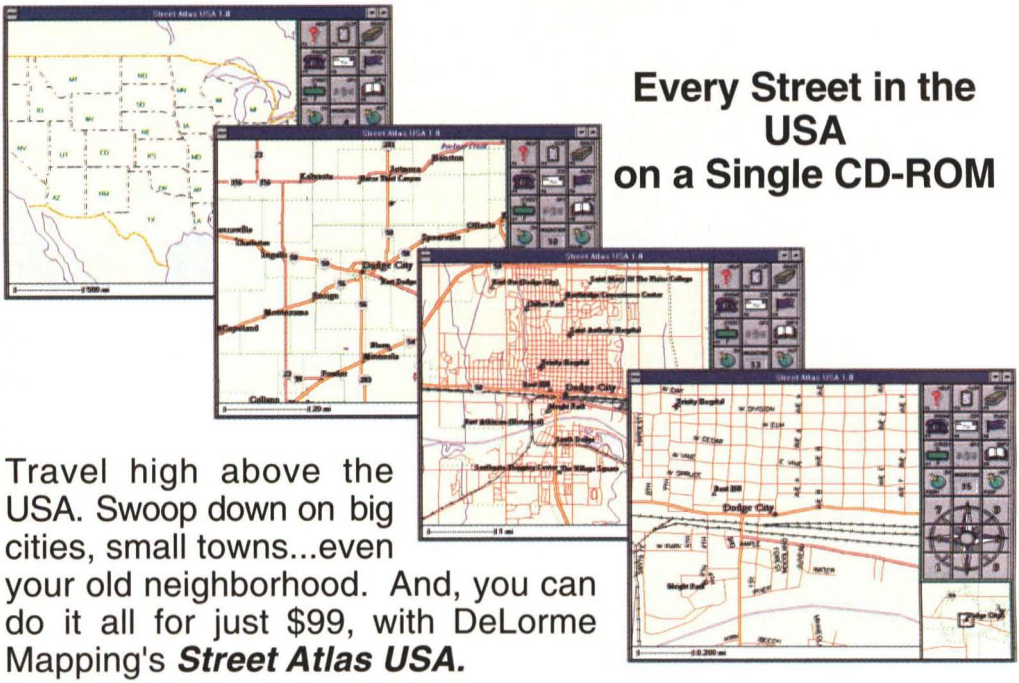

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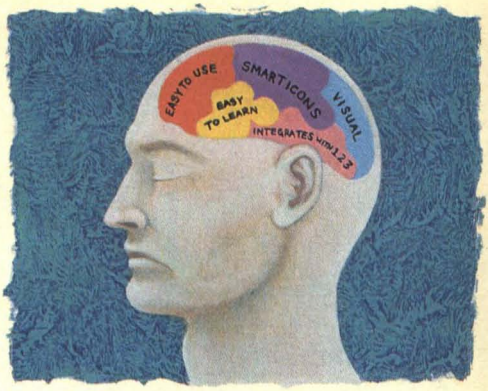

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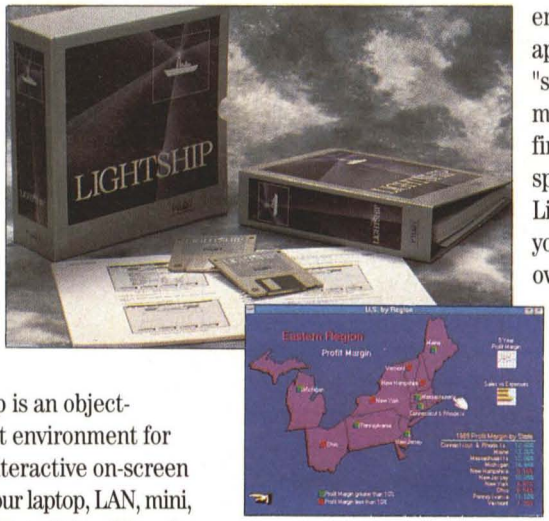

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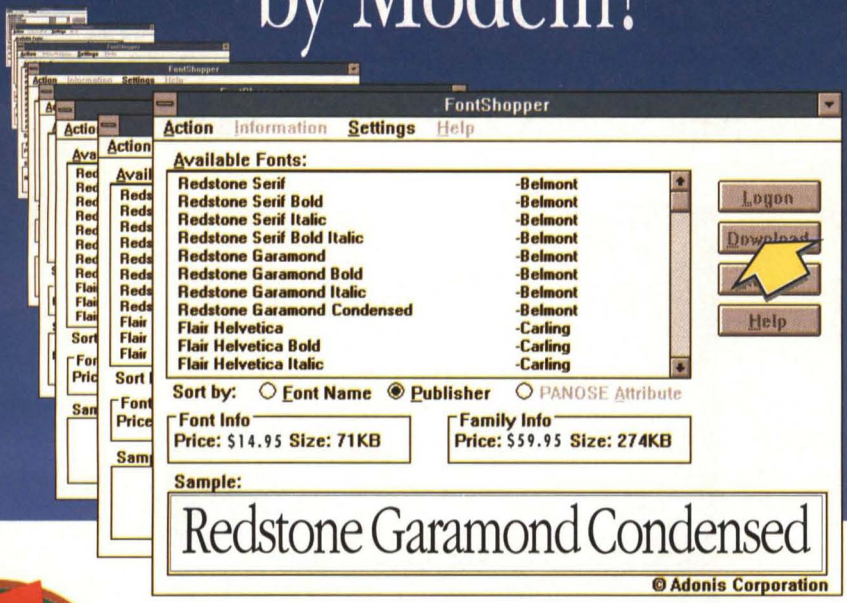

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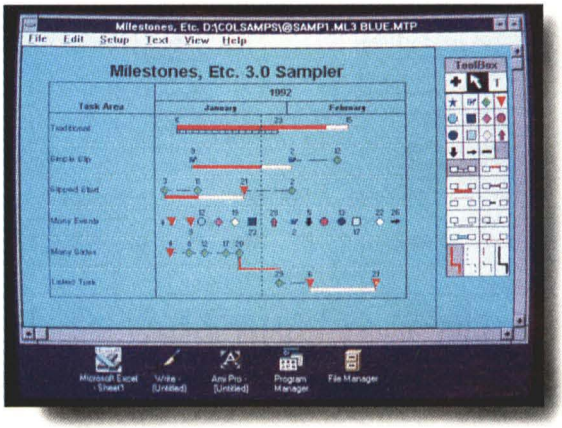

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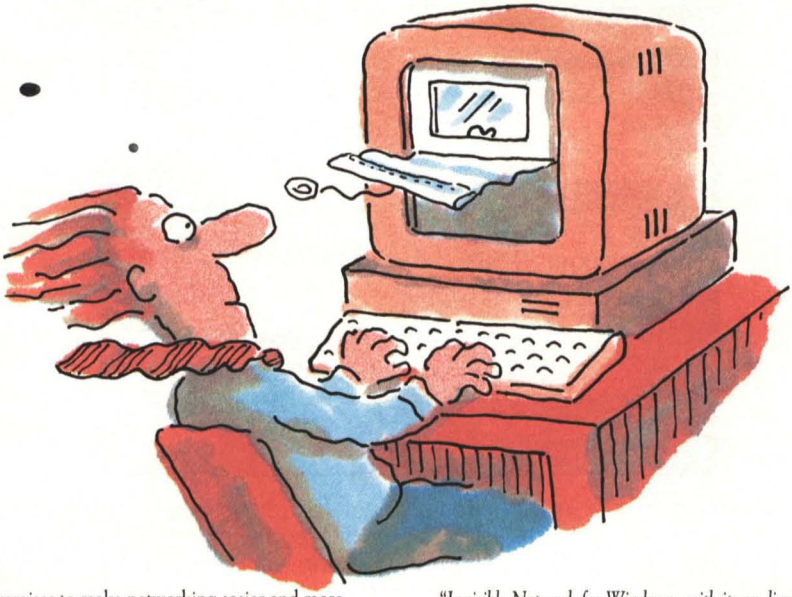

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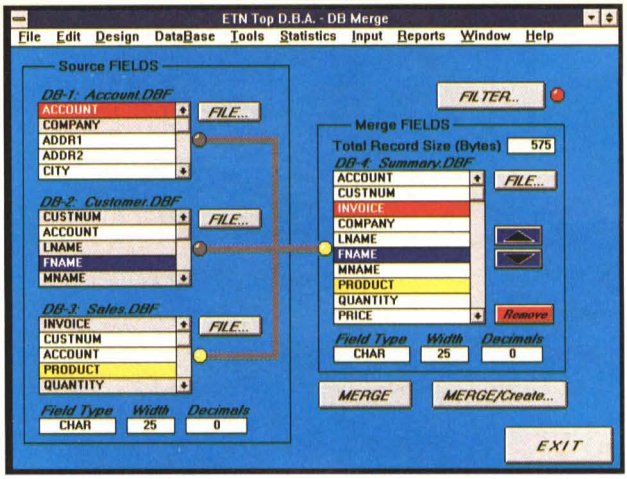

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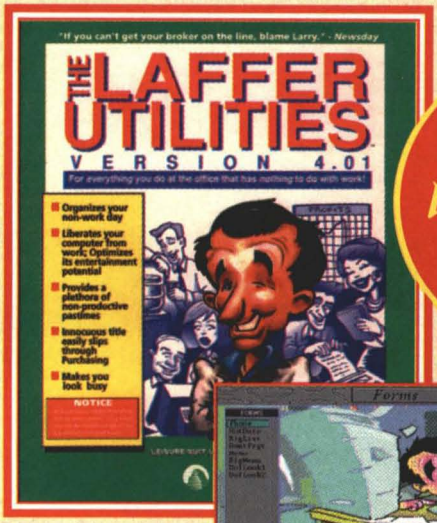

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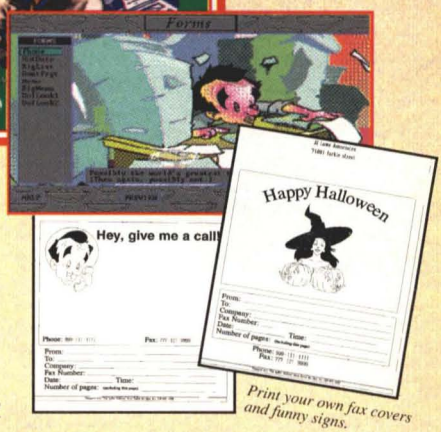

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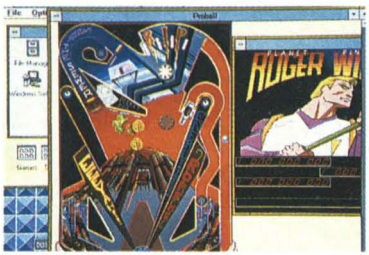

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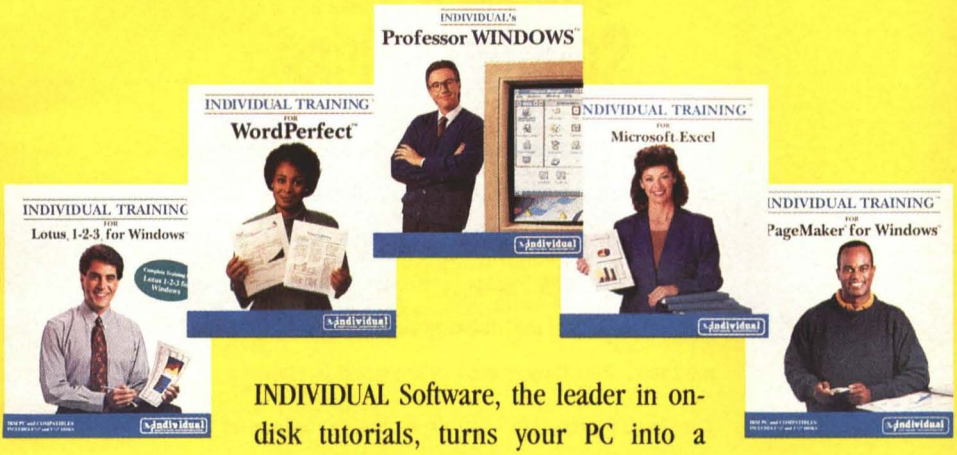

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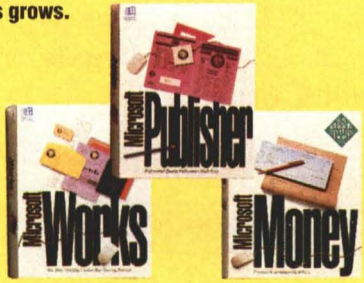

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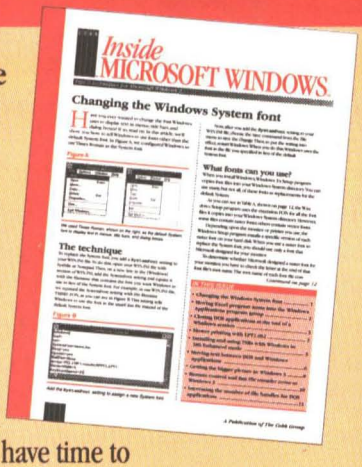
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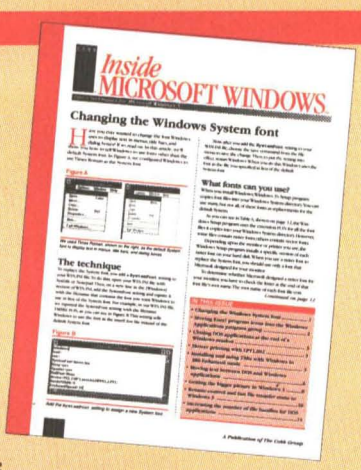
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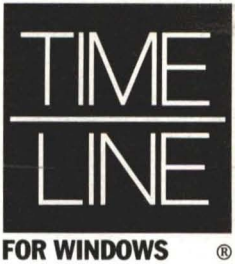

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Financial News

Neural Networks for Investing

Artificial Intelligence any one can use

By Martin James

Wall Street Bureau

NEW YORK - The promise of artificial intelligence for the investor has finally been realized. Even the small trader can make brilliant decisions using a new software from RaceCom, Inc.

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The software, which the company has named InvestN 3.1™ runs under the new Microsoft Windows 3.1. With a retail price of $349, RaceCom has put advanced neural network technology within the reach of all investors.

A company spokesman said people can get InvestN 3.1™ at their local software store. Buyers can also order directly by calling RaceCom.

MarketBrief

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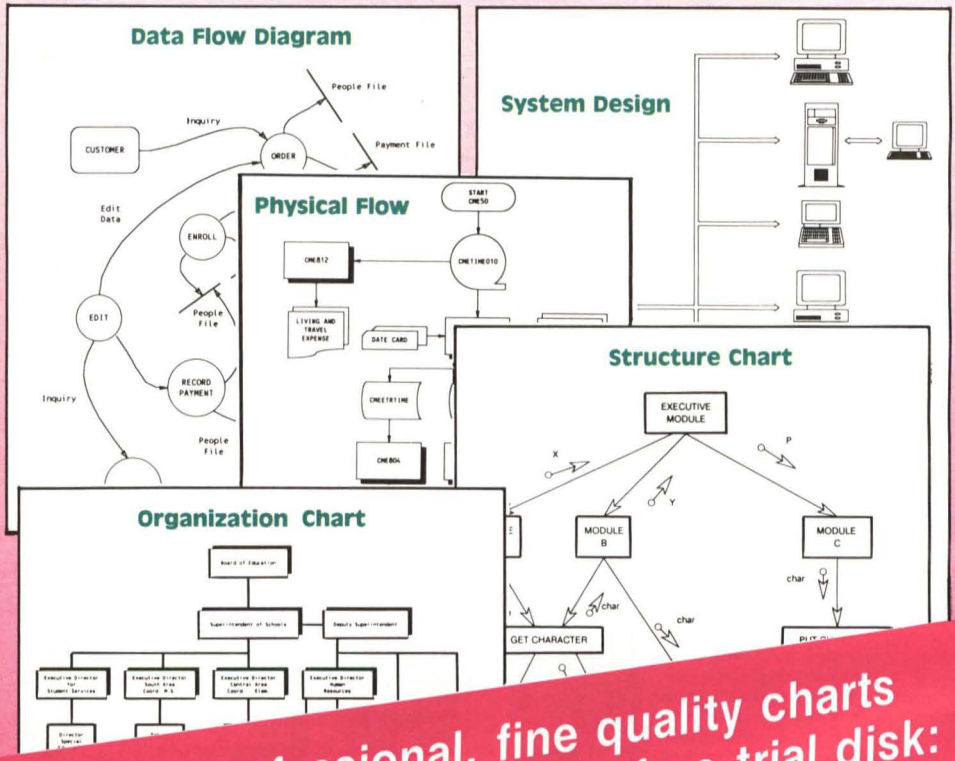

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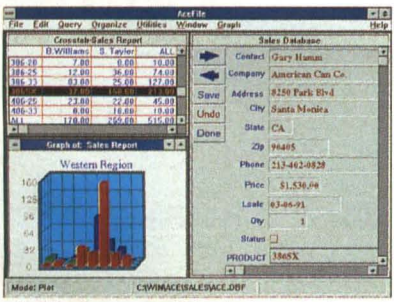

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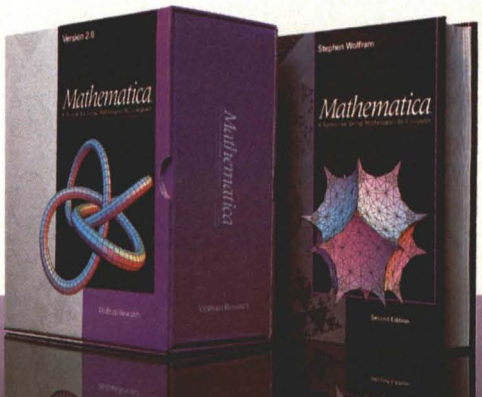

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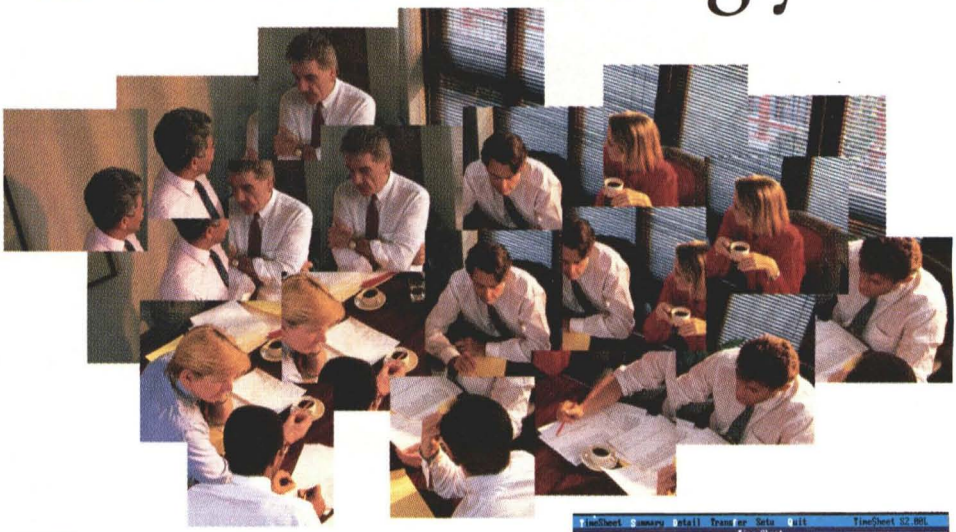

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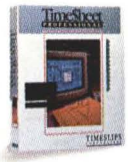

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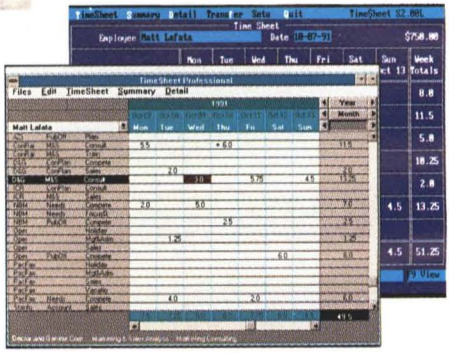

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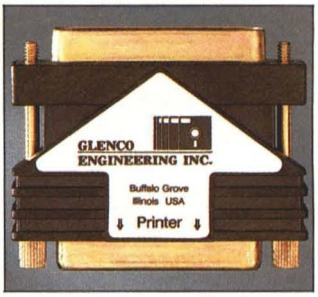

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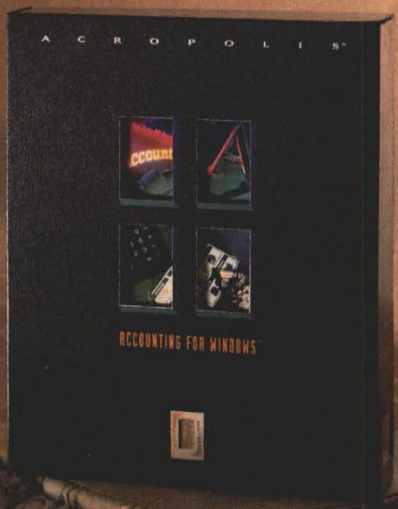

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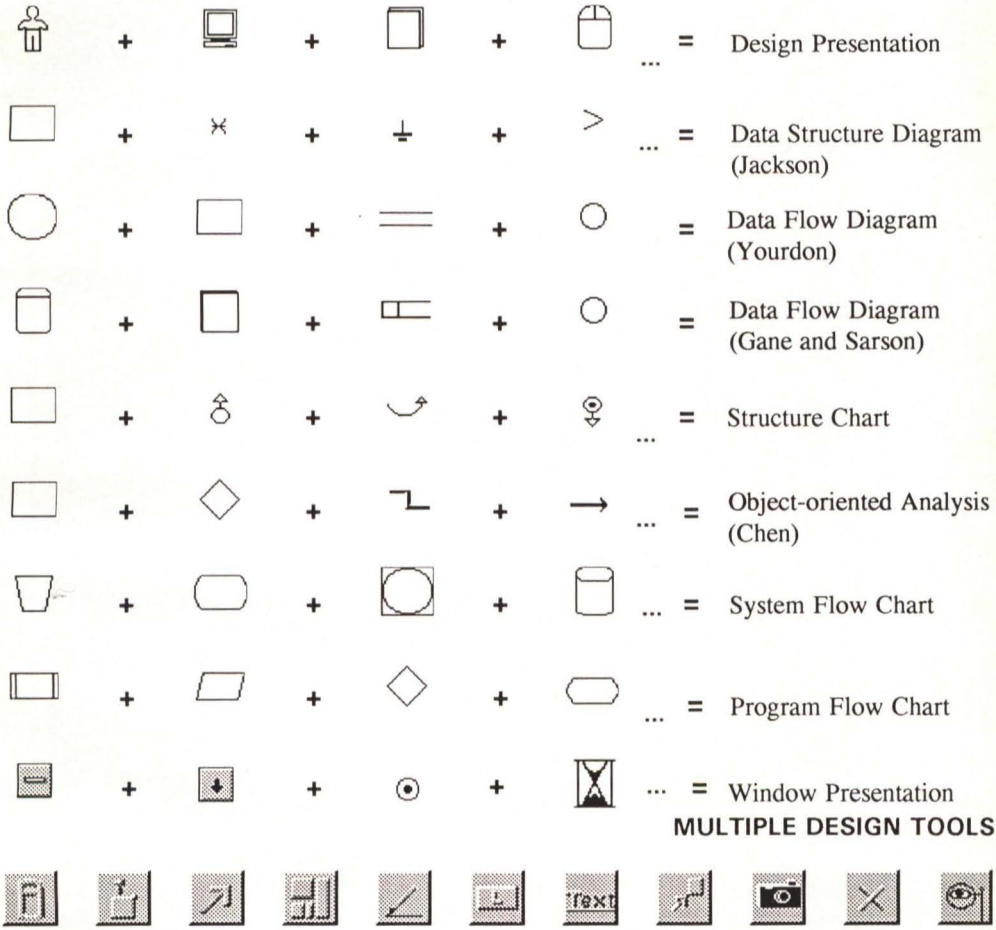

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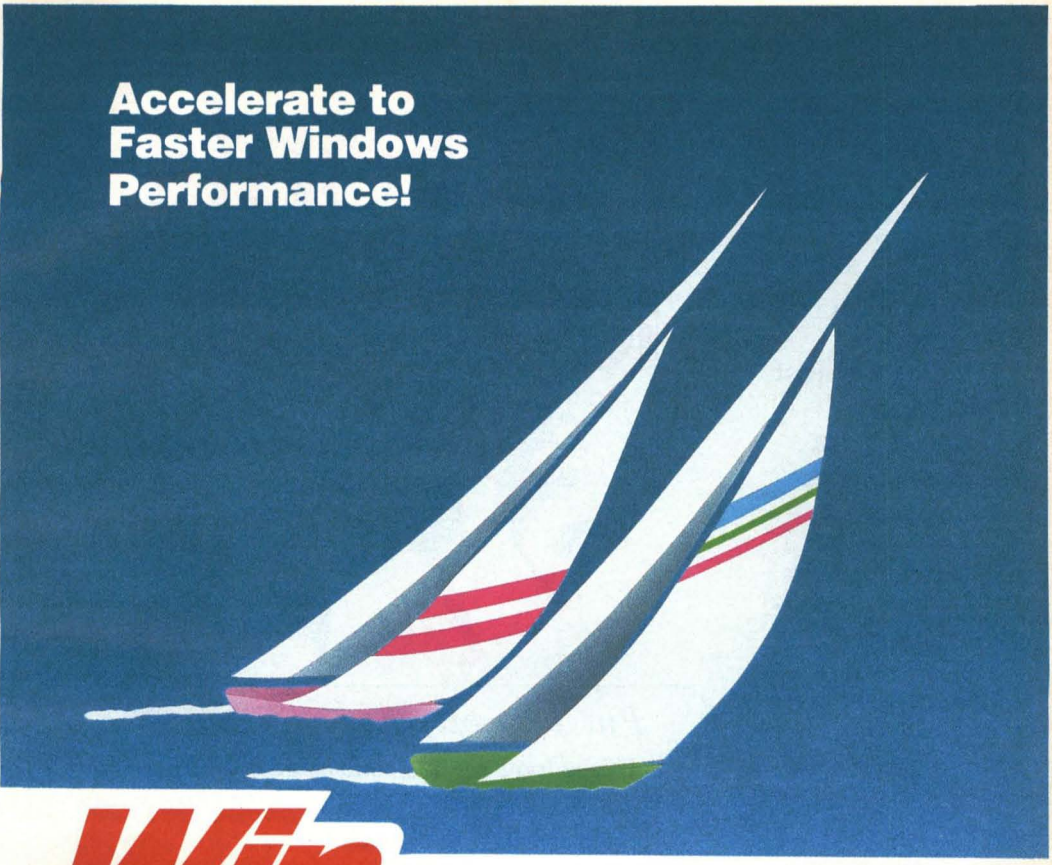

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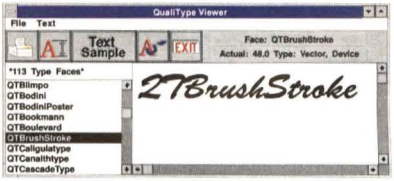

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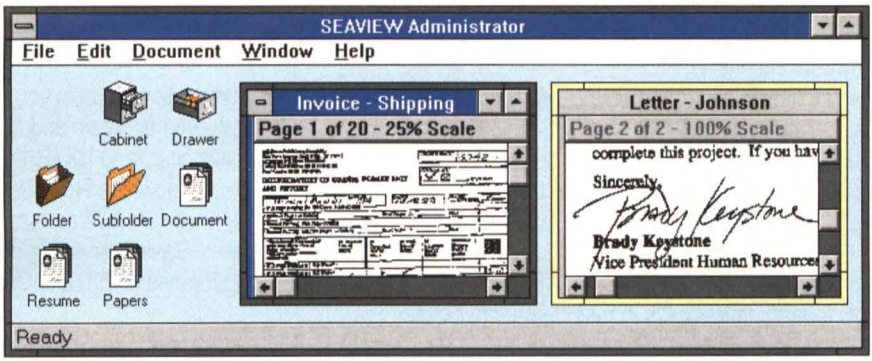

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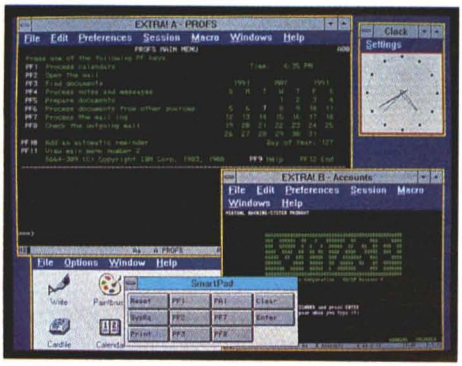

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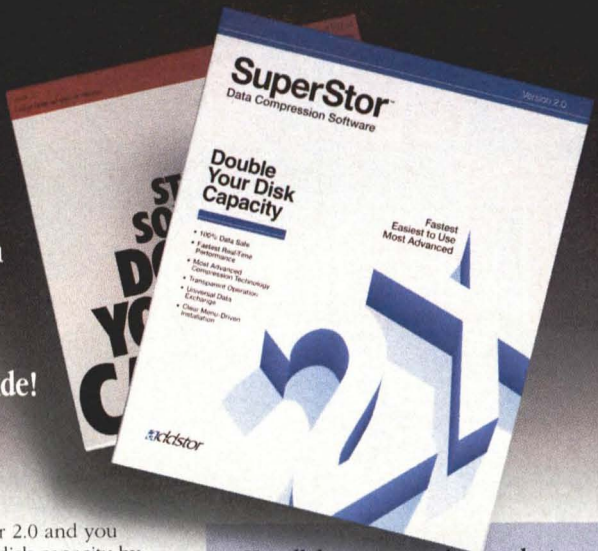

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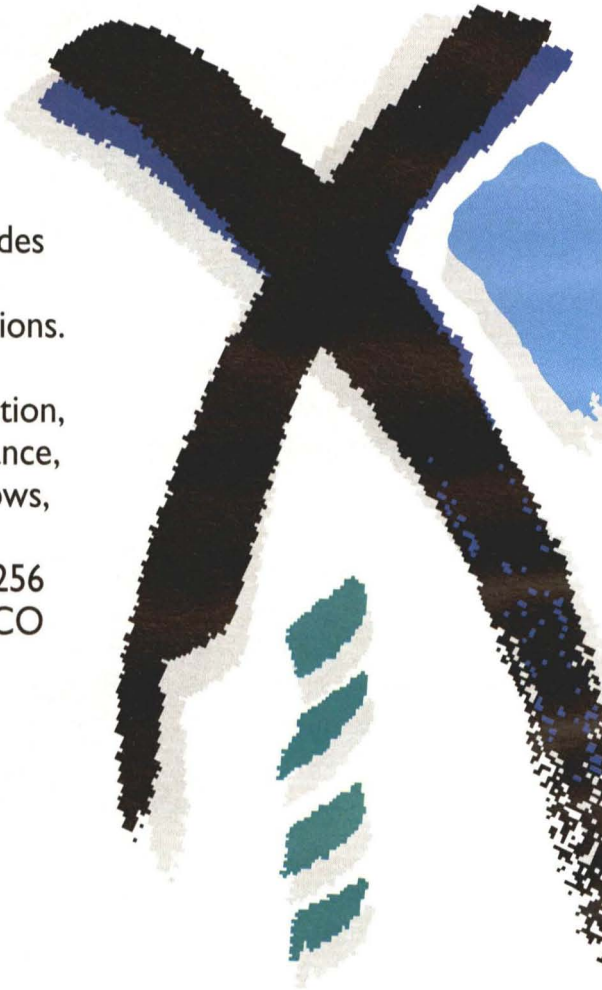

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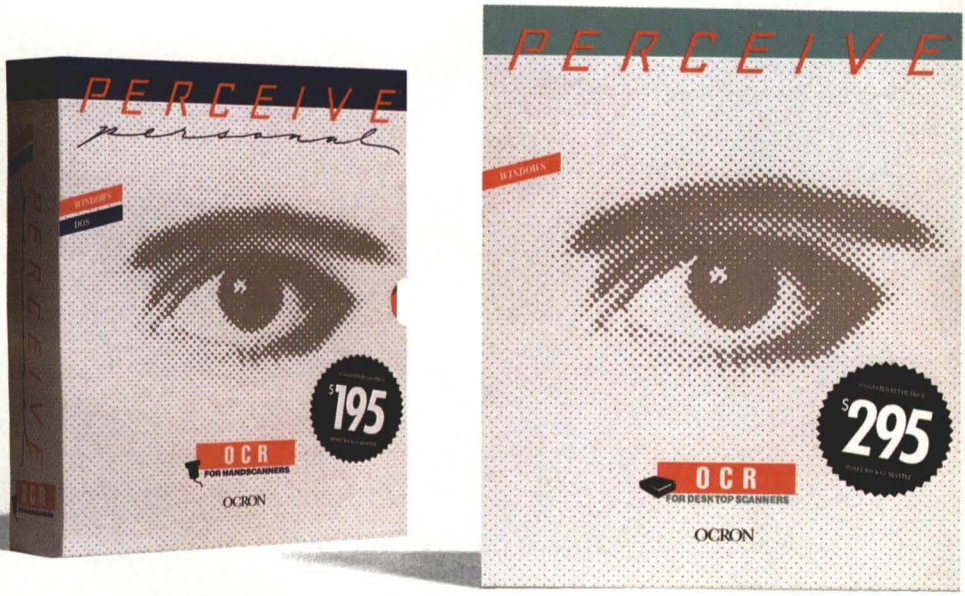

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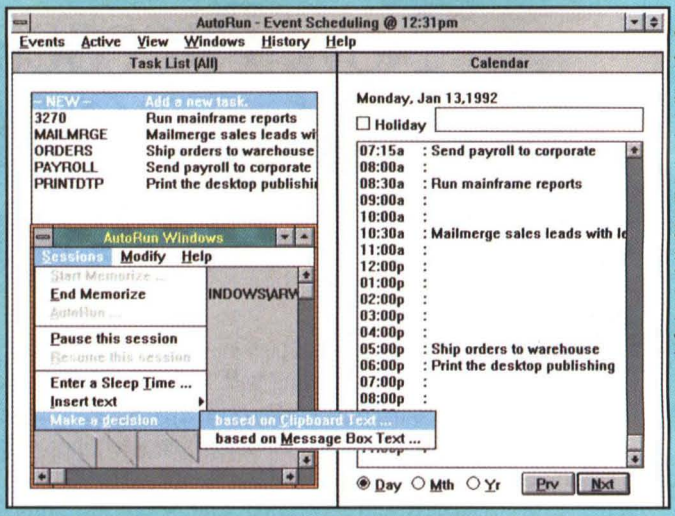

This PC downloads data from the central office by itself every morning. During coffee break, letters to new sales leads mailmerge and print themselves. At 5 p.m. orders are automatically shipped to the warehouse. On the first and third Mondays of each month, Payroll runs at 7:15 a.m.

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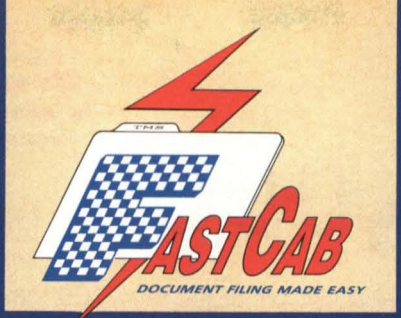

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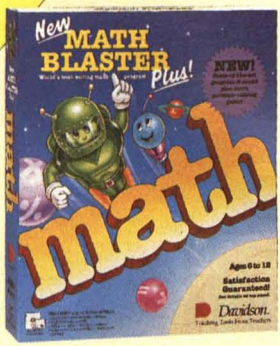

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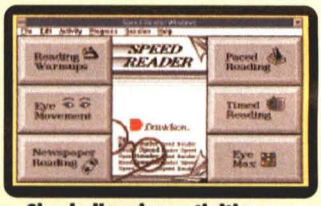

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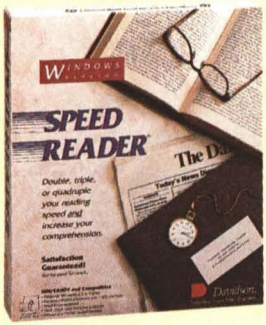

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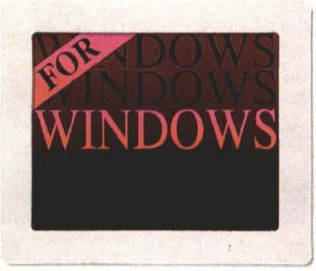

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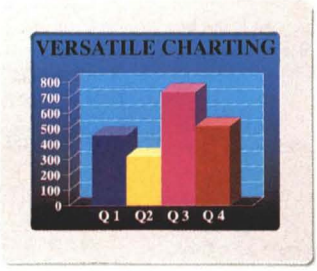

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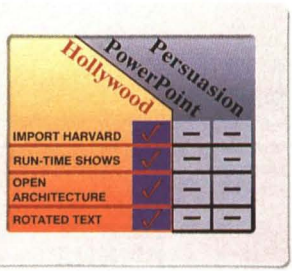

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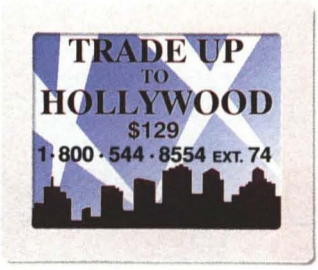

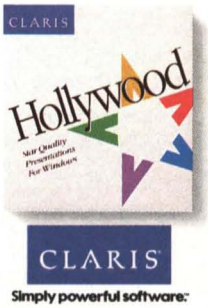

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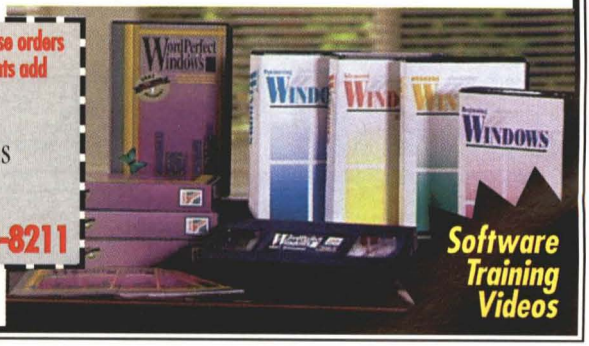

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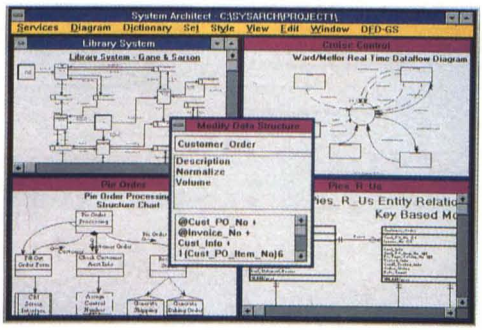

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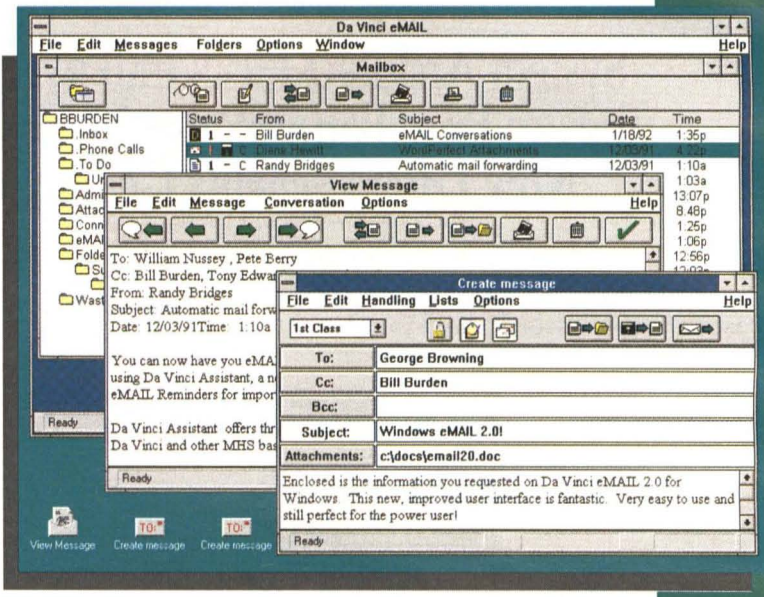

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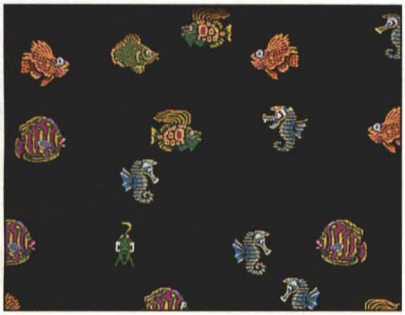

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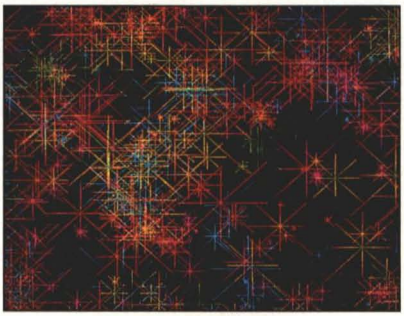

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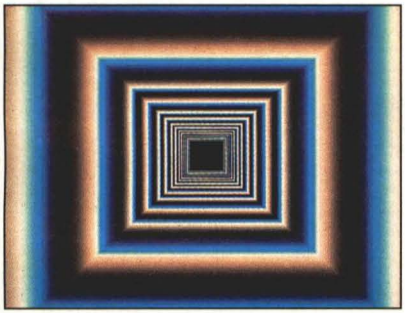

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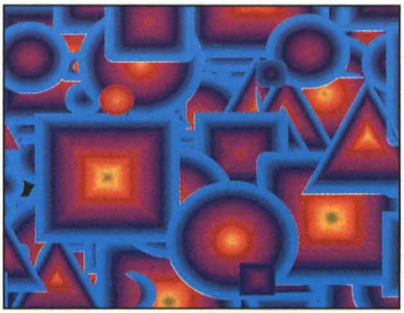

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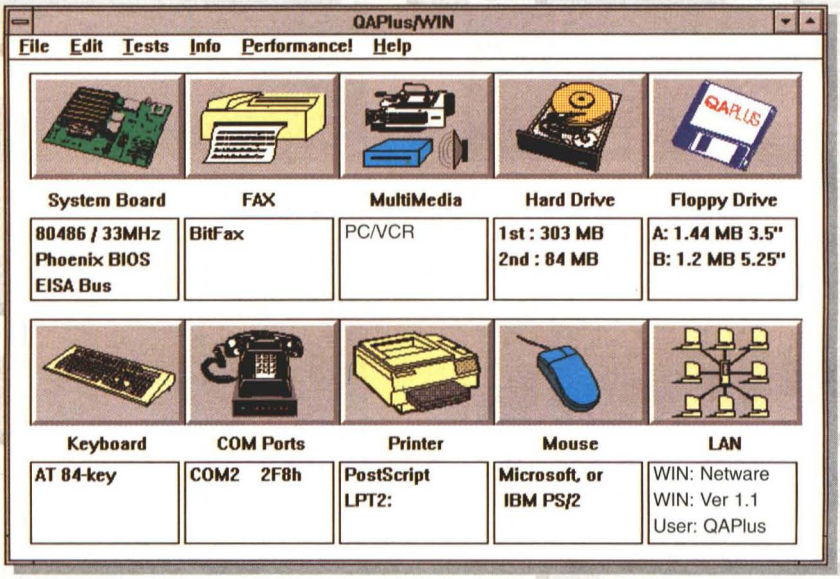

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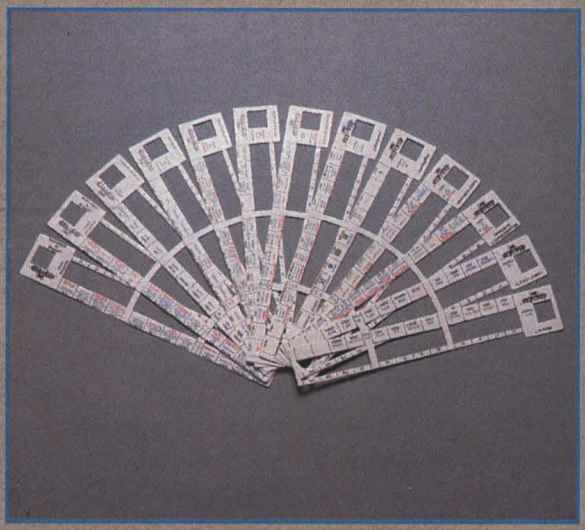

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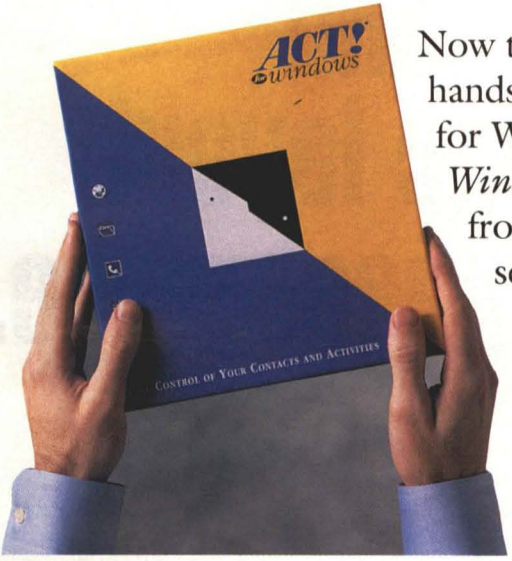

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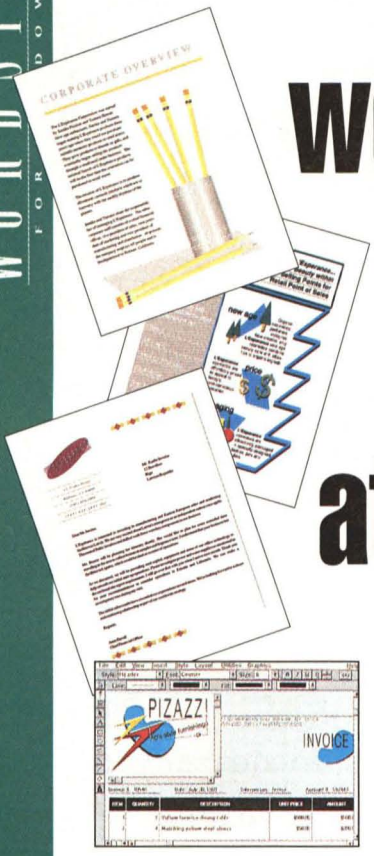

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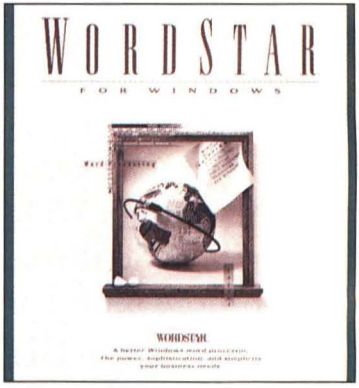

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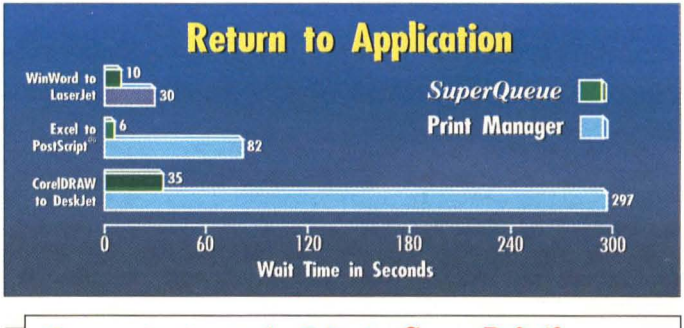

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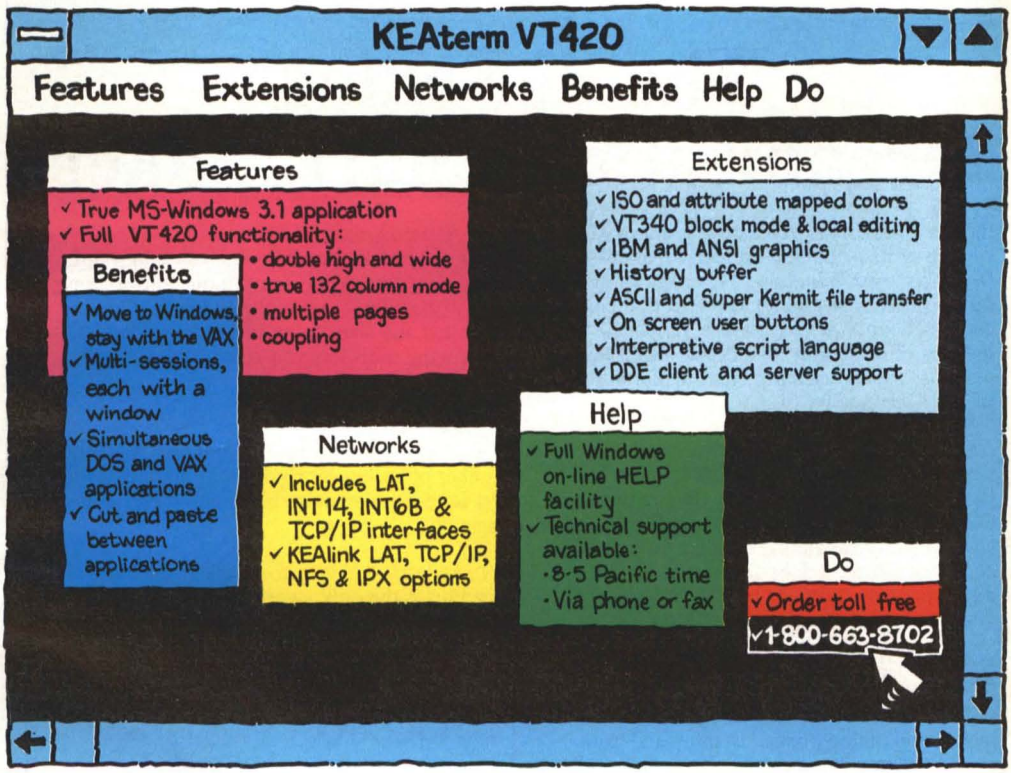

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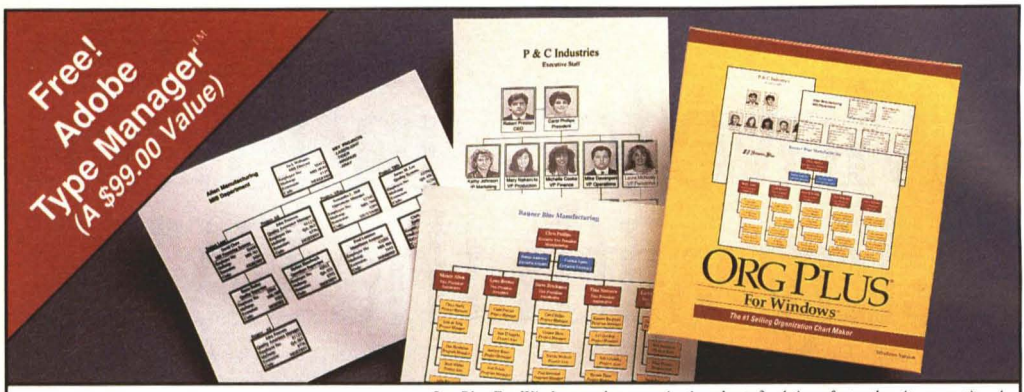

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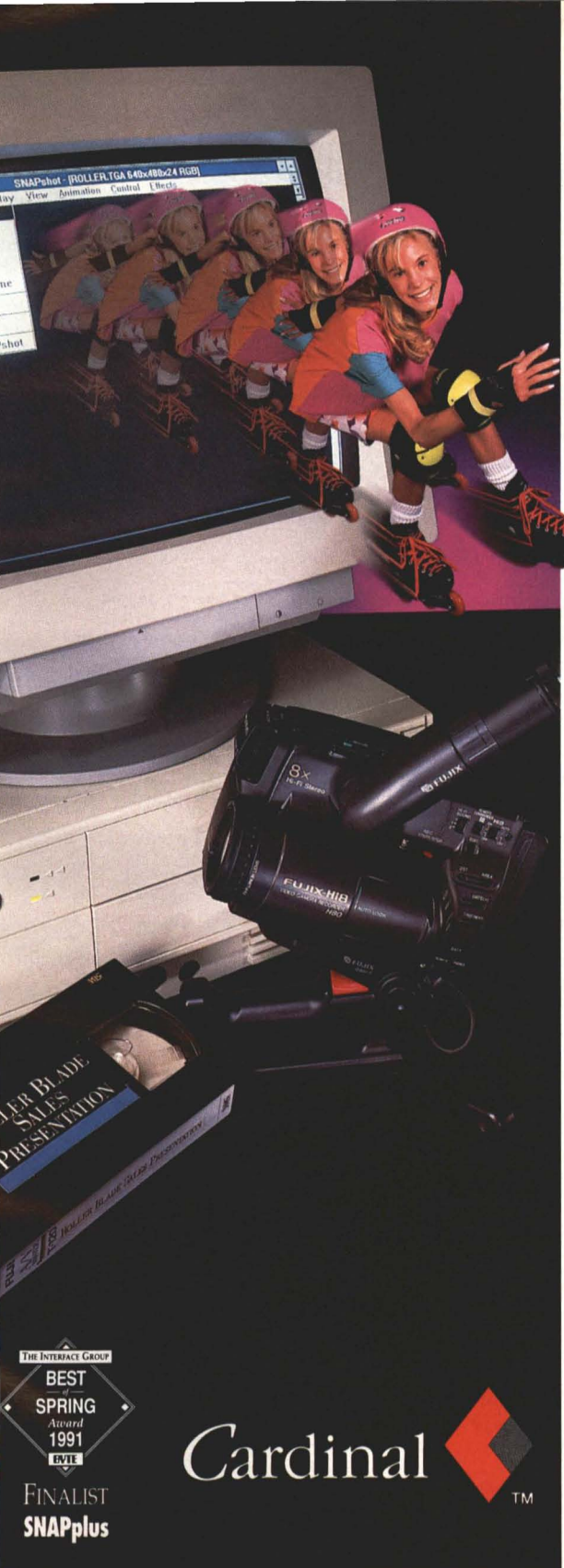

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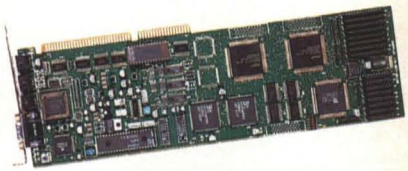

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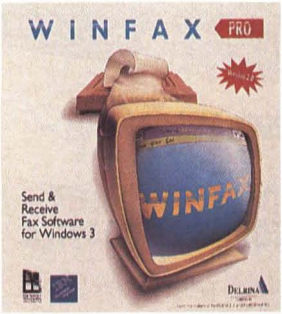
WinFax PRO is the runaway best-selling Windows fax software that makes it incredibly simple to send and receive faxes — right on your PC.



Send to any fax machine anywhere — right from your PC

PC MAGAZINE BEST OF 1991

Computer Shopper 1991 Category Winner

With just a few clicks of a mouse you can fax even the most complex documents from any Windows application. Combine text from your word processor, numbers from your spreadsheet, graphics from your paint program, and forms from PerForm PRO, into a single outgoing fax.

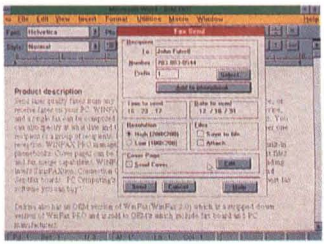
Send faxes to one person or an entire group, with personalized covers. Incredible 200 x 200 dpi resolution ensures the type and graphics on faxes you send are laser quality.

WinFax PRO also lets you schedule faxes for transmission at a later time, such as off-peak hours, and keeps a record of your fax activity.

Receive faxes any way you choose — in the background, immediately on your screen, or directly to your printer. Zoom-in, rotate images, or select areas of a received fax to be copied to your Windows clipboard for use in other applications.

WinFax PRO is compatible with most popular fax boards including: CAS, Class 1, Class 2, and Sendfax boards.

WYSIWYG support means what you see is how your fax will appear when received.



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CIRCLE 192 ON READER SERVICE CARD

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The 1st imaging system you can have up and running in a day!

To date, electronic image management systems have been very expensive. And getting one on-line has involved hundreds of man-hours and a lot of esoteric, dedicated hardware.

Westbrook *Imagic!* has changed all that. It's an inexpensive, software-based imaging system for the PC. Simple to install and use. And produces results from the very first day!

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Anyone can do it! Just open a file cabinet, take out a document and place it on a scanner. Westbrook *Imagic!* will do the rest. Converting fax documents is even easier! They're transferred into the computer's storage device, automatically!

Regardless of the type of document or method of input, the information is merged into a single, unified database. One file can contain everything from schematics, photos and facsimiles to checks and invoices.

All the power and flexibility you need!

Available in both stand-alone and multi-user LAN versions, Westbrook *Imagic!* provides a very powerful system for organizing, filing, archiving and retrieving scanned documents and fax images.

Our system works with any system!

Westbrook *Imagic!* operates under MS-DOS® and Microsoft® Windows™ 3.0 and is compatible with most popular personal computers and workstations, scanners, fax modems, printers and storage devices. So you can easily integrate it into your existing information networks.

Take the painless step into image management.

See how fast Westbrook *Imagic!*'s low-cost, electronic imaging system can go to work for you. Call today. Be on-line, tomorrow.

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CIRCLE 193 ON READER SERVICE CARD

Adapter cards are the largest class of active components in Ethernet networks. In fact, in many server-based systems, they can represent up to 90% of the active components.

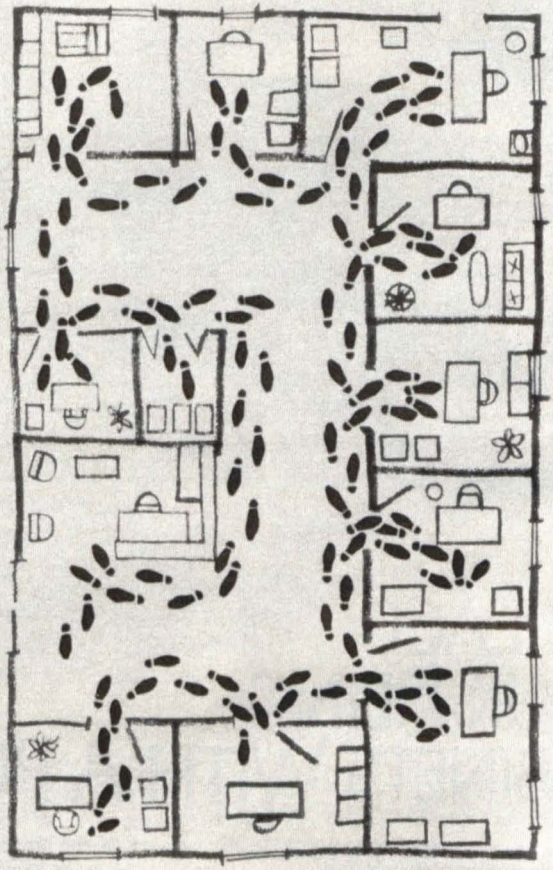
This wouldn't be a problem — if the means existed to quickly locate card faults wherever they occurred.

ROLL CALL
SNMP management for Ethernet cards.

You'd want to be able to do this right from your desktop. (No more running from office to office.) You wouldn't want it to use too much memory. (15k would be about right.) It wouldn't cost any more than, say, an inexpensive laser printer. (Under a thousand bucks.) And last but not least, you shouldn't need additions to everybody's PC to support it.

Introducing **Roll Call**™ from Racal InterLan. A *universal* SNMP card management system that offers enormous network management power—diagnostic, monitoring, administration and control.

With Roll Call, you can chase down faults without leaving your office. A two level mapping application running under Windows 3.0 gives you a detailed picture of your network. You can select Ethernet cards and bridges from the map or from scrollable lists to display statistics or have diagnostics performed. If something does go wrong, an alarm notifies you, pinpoints the fault, and it's logged for future reference. All using SNMP protocol.



CONSIDER THE STEPS A NETWORK MANAGER HAS TO TAKE TO LOCATE A LAN CARD PROBLEM.

To find out more, *including how you can get one of our managed Ethernet cards FREE by becoming a Roll Call customer,** simply call **1-800-LAN TALK.**

It could be the start of a longstanding relationship with a company that's taking big steps with today's standards.

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For more information on how you can put the power of WinRIX to use in your Windows 3.1 environment, call RIX SoftWorks at 1-800-345-9059 and ask for a WinRIX Sales Representative.

The accolades for WinRIX begin to roll in...

Winner! Windows Magazine Graphics Application for 1991!

W 100 WINDOWS MAGAZINE

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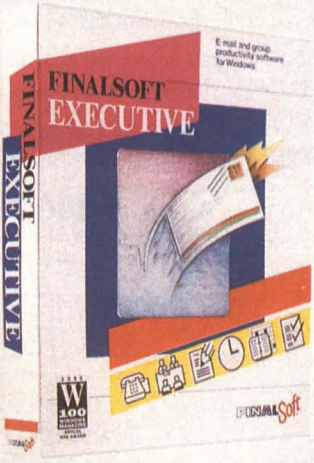
Single user $99, 6-user LAN $445, 10-user LAN $695. Other LAN versions available.



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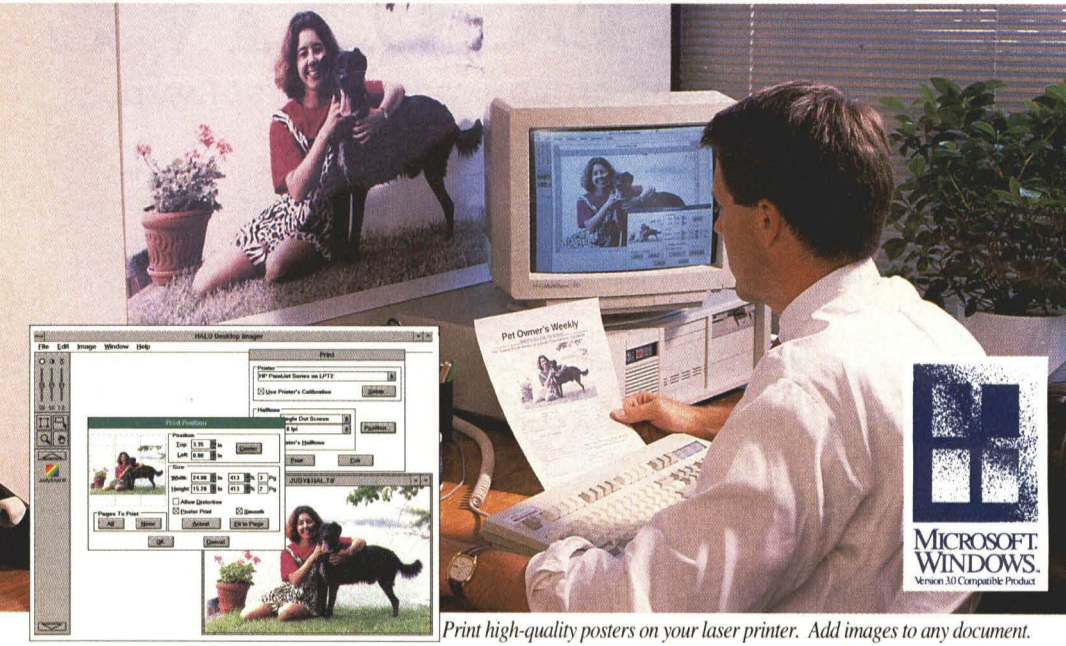
HALO Desktop Imager. Your Printer Is Naked Without It.



Print high-quality posters on your laser printer. Add images to any document.

If you want to print high quality images, add them to desktop publications, or print them as life-size posters on your laser, color, or any Windows compatible printer, then you need HALO Desktop Imager . . . your printer is naked without it.

With HALO Desktop Imager you get unequaled printing capabilities to output your work in ways you never thought possible. Produce posters of any size on any compatible printer. And print test strips to assure the best possible output of your images.

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"Wow!" *Consensus of 30 magazine editors on the performance and tremendous value of HALO Desktop Imager.*

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*Suggested retail price.

CIRCLE 198 ON READER SERVICE CARD

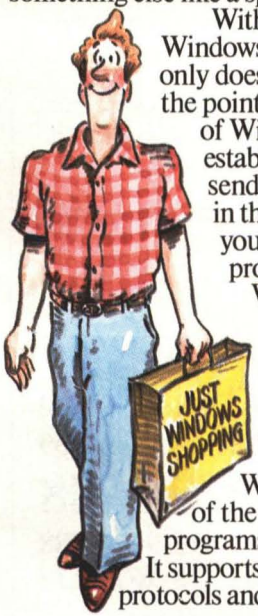
How To Get Into PC Communications Without Jumping Out Of Windows.

You forget how wonderful Windows™ is until you have to exit it to transfer a file.

Since most communications software won't work in Windows, you're left sitting on your hands as the file transfer crawls from start to finish. If your comm program took advantage of Windows multi-tasking, you could minimize the whole thing to a simple icon while you carried on with something else like a spreadsheet!

With Crosstalk® for Windows you can. Not only does it keep you in the point-and-click world of Windows, it lets you establish connections, and send and receive files–*all* in the background. While you're busy on another project, Crosstalk for Windows can be answering calls, dialing a queue of numbers, transferring data or keeping a VAX® link open.

Crosstalk for Windows really is one of the most versatile comm programs on the market today. It supports the most popular protocols and emulations, including ZMODEM and VT™ 220/320. It can access shared modems on LANs. Supports high-speed modems. Has an answer mode, a Learn feature and DDE. Yet, it uses only 150K RAM.



Nobody Does Windows Like Crosstalk.

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★★★ Smartcom III
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★★ Relay Gold
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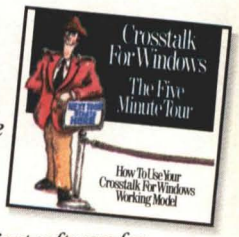

For a chance to find out about DCA®'s other Windows solutions call the above number for your free IRMA™ WorkStation for Windows micro-to-mainframe connectivity demo disk or free information on our Windows client software for our IRMALAN™/EP and DCA/Microsoft® Select™ Comm Server Gateways.

CROSSTALK

Another Communications Solution From DCA®

Software Digest ★★★ Vol. 7 No. 12 1990 Crosstalk for Windows

1990 Crosstalk for Windows

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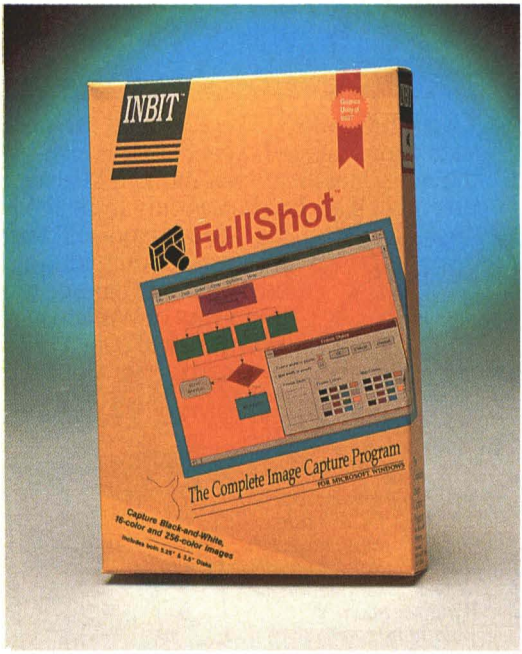
FullShot

The Complete Image Capture Program for Windows™



Free demo disk and brochure available.
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Finally, a screen capture program for everybody! **FullShot,** the Complete Image Capture Program for Windows is all you need to work with "snapshots" of Windows screens. FullShot does high quality Print Screen. It does image import and export. It does image processing. It also does color-to-BW translation. It has flexible, powerful, and easy-to-use tools for capturing and processing anything you see on a Windows screen, from a complete screen image, to a single window, or even a single menu or command button. It's perfect for images you want to include in manuals, training handouts, presentations, interface design, or marketing materials. It's a wonderful office productivity tool. No need to figure out how to dump a Windows screen any more. Save your time. Save your energy.

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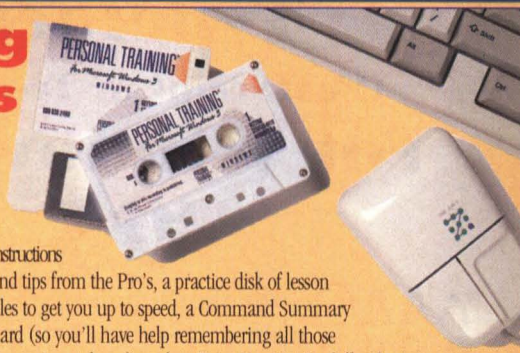

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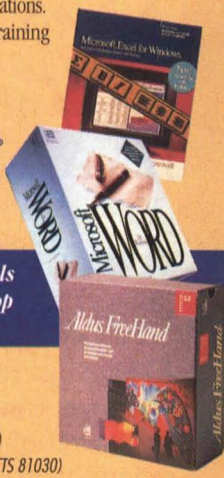

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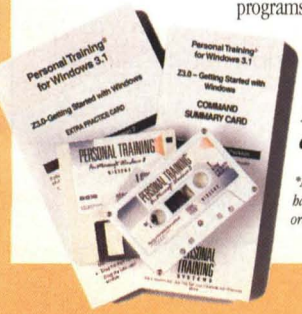

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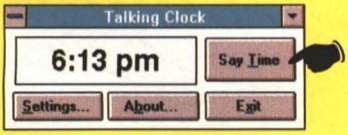

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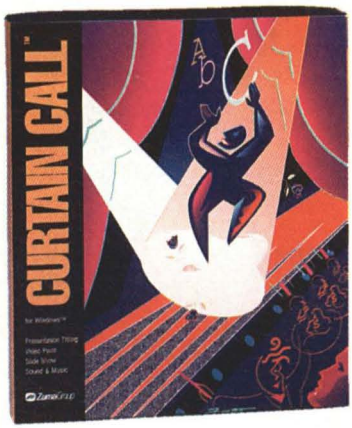

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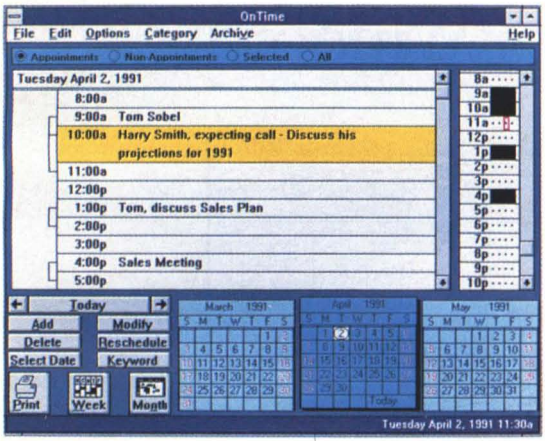

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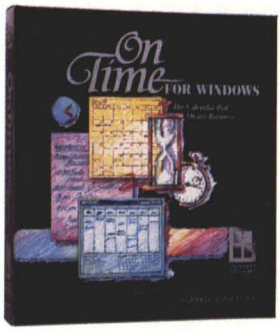

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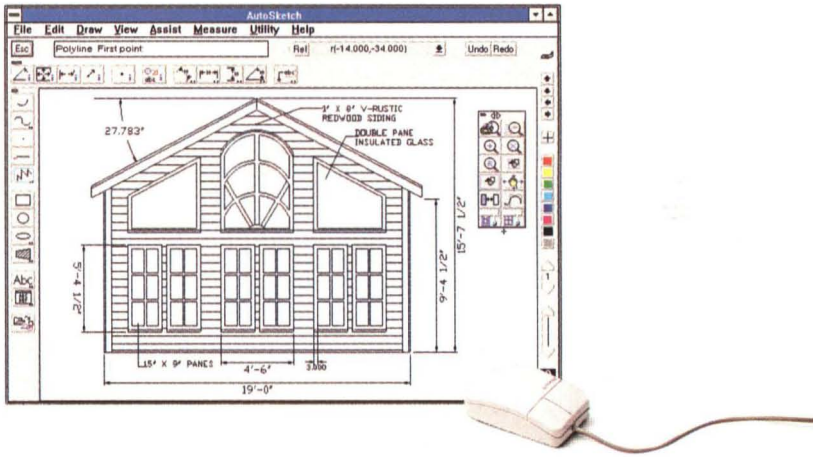

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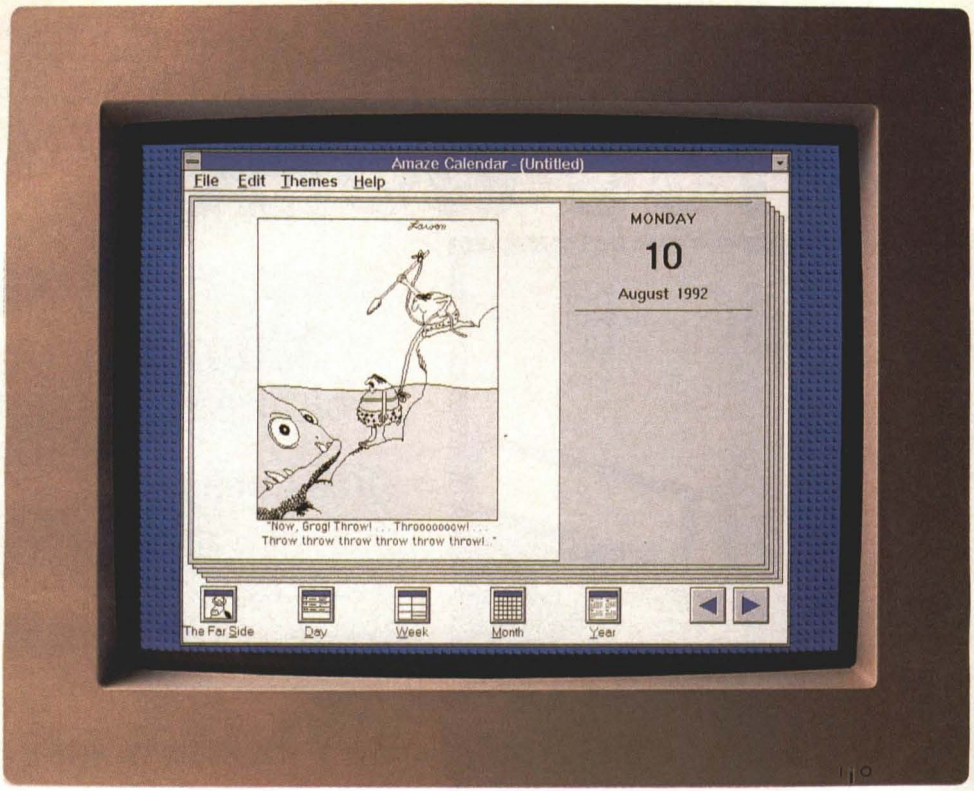

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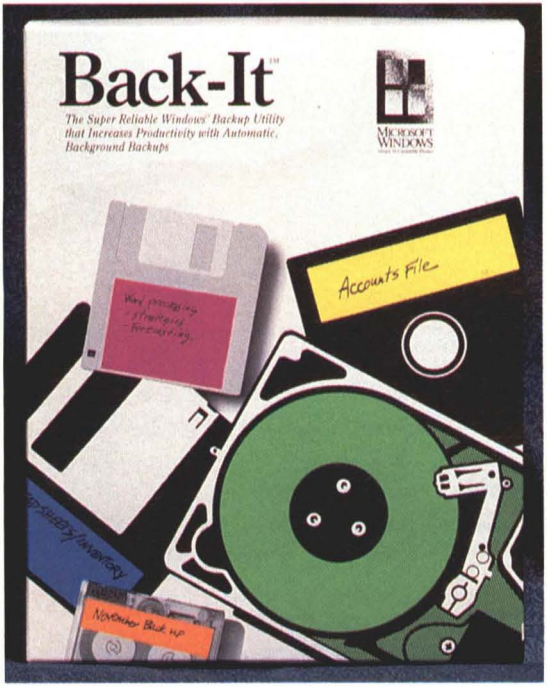

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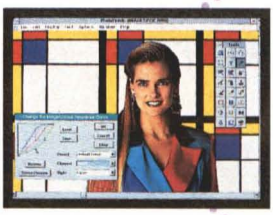

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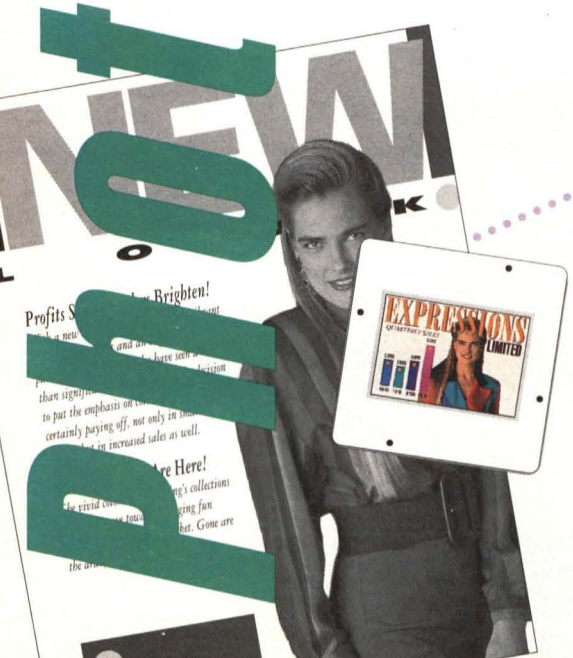

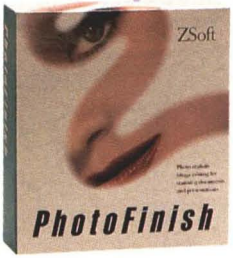

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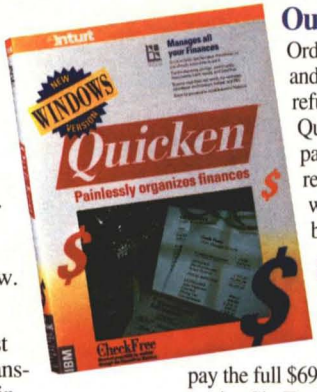

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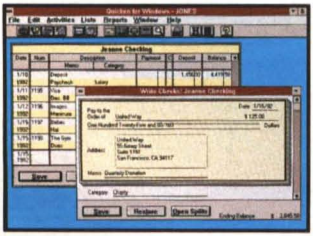

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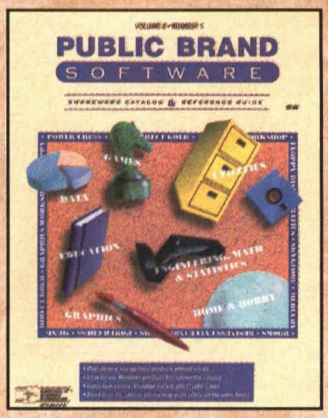

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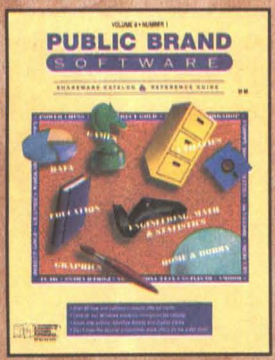

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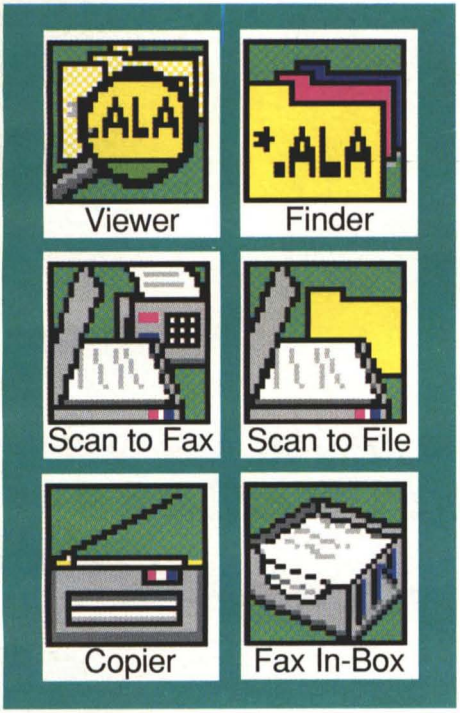

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PC WEEK

October 14, 1991, **Carole Patton**

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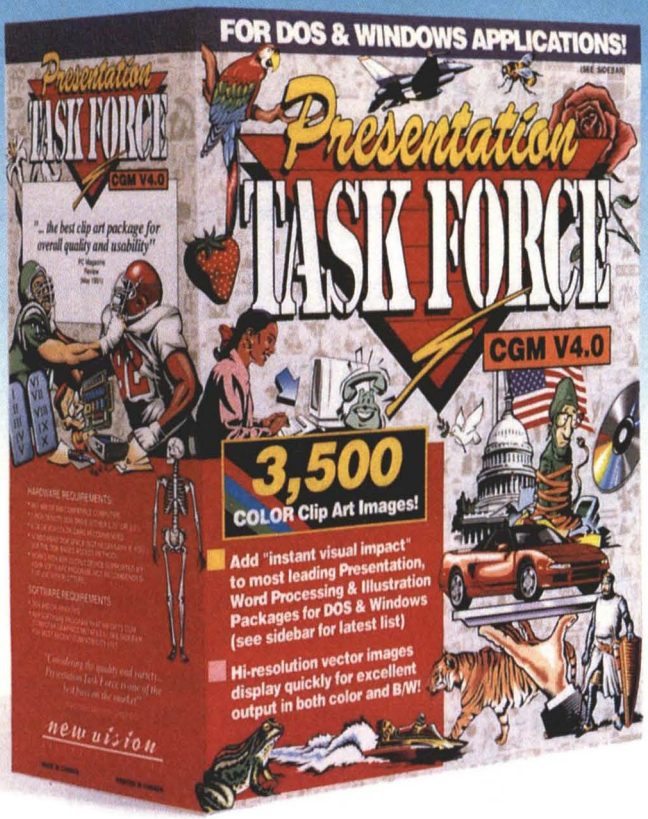

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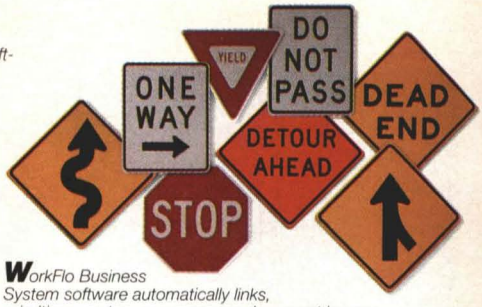

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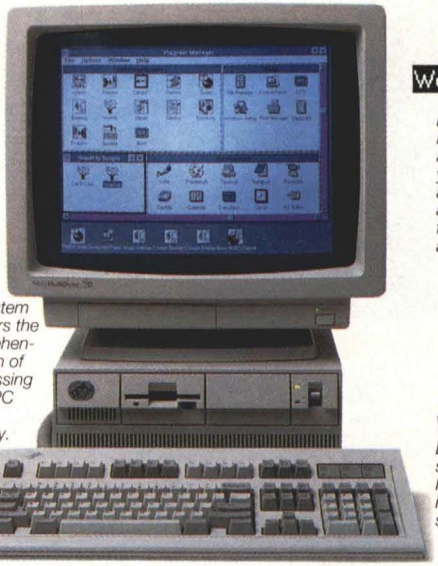

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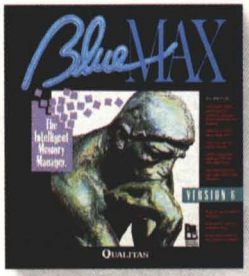

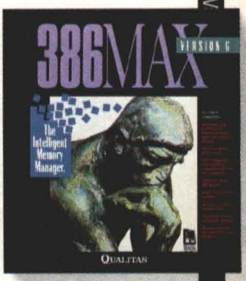

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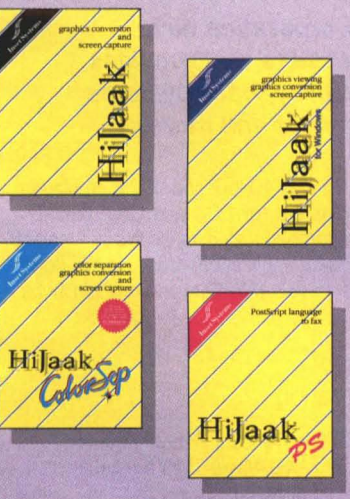

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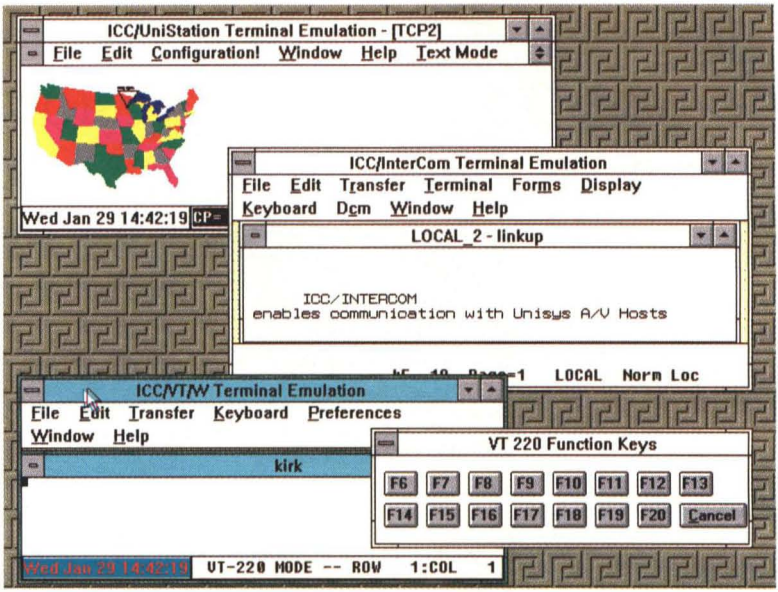

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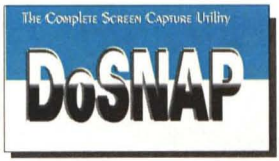

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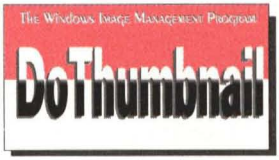

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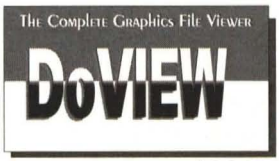

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DoVIEW supports viewing of over 50 different graphics file formats. It is fully integrated with the Windows File Manager and has automatic file format detection. Double click on the file name and the graphics image is displayed.

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DoCONVERT converts between 50 different graphics file formats. Supports Macintoch, PC, Windows, UNIX, and mainframe file formats. Supports batch conversion with simple to use control commands.

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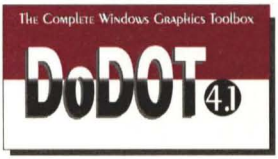

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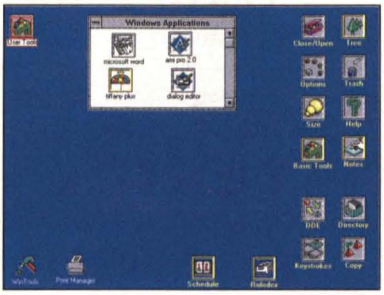
"WinTools™ offers the most powerful tools for customizing the Windows™ desktop that PC Week Labs has tested to date..."[1]

"If you think visually and want a MAC in your PC, WinTools is the one to get, no questions asked."[2]



Are you frustrated with Windows' lack of flexibility? Did you buy Windows to **cut training and support costs** for your company, but it hasn't delivered yet?

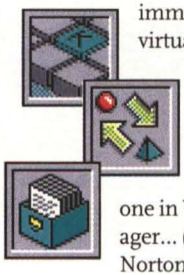
Then you need WinTools: The Windows Customization System. WinTools is not a bag of utilities. Instead, it gives you the ability to **completely customize** Windows, so that it is intuitive to you, and to your company's users. If you want Windows to deliver on its promise, you need a **fully object oriented** interface that allows **any icon to drag and drop onto anything,** and some specific action will be taken — that icon will launch others, or ask for help, or do whatever you tell it to. By dragging and dropping, you have complete freedom to customize the look and performance of your desktop. PC WEEK describes WinTools as "...much more like the Macintosh® than Windows' default interface and has a consistency that makes it easier to learn."

Full integration of the file system and desktop. Make any file part of any icon, **visually,** by dragging that file onto the desktop. Then, that file is a fully living icon, and can be dragged and dropped **anywhere,** not just onto four specific buttons like the competition. PC WEEK says, "Unlike Norton Desktop, WinTools doesn't limit how and where users can drag and drop icons."

Network security. You need a way to lock all these features in place, as well as to provide **custom network security** so access can be customized, user by user, icon by icon, or server by server. INFOWORLD[3] extols "Its customizability and flexible password utility (which) makes it a good system for locking down a consistent Windows setup on an organization's network." PC WEEK adds, "What makes WinTools so powerful for an administrator is access rights for each icon. PC WEEK Labs was able to set up a group icon on a network drive and choose from a myriad of options to limit users' ability to make changes."

You don't have to wait for the others to deliver; you can have it now. Buy WinTools. Use the powerful **Keystroke** and **DDE** tools to build your own toolbars that look and act just the way you want them, and your company's users need them, across applications, or across the company. **Buy WinTools,** and get complete freedom to customize Windows so it works for you and your users, and the ability to control it so it works for your company — all accomplished with the **EYE AND HAND,** not with unending levels of menus or strange mnemonics. **Buy WinTools,** and make Windows the fully integrated, drag and drop, visually customizable object interface you expected. **Today.**

There's more. WinTools comes complete with Icon Librarian — over 100 custom icons for your immediate use. And Big Sky, with sixteen virtual screens: it ends screen clutter.



INFOWORLD praises WinTools as "...strangely logical... (it) makes starting up related groups of programs really quick. The WinTools file manager is a good replacement for the one in Windows... I really like this task manager... (it) has better icon management than Norton Desktop..."

WINDOWS MAGAZINE[4] says: "...with drag and drop integration of DOS and Windows programs, superior directory trees and extensive end-user configurability, WinTools could be the face of Windows in the '90's...." COMPUTER SHOPPER sums it up: "WinTools fosters new informational hierarchies since it avoids imposing any preconceptions on the work area... There's nothing else like it currently in Windows, or for that matter in the PC universe."

WinTools
The Windows Customization System™
$149.
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[1]PC WEEK, 1/6/92 [2]COMPUTER SHOPPER, 1/92 [3]INFOWORLD, 12/91 [4]WINDOWS MAG, 3/92

CIRCLE 222 ON READER SERVICE CARD

New for Windows 3.0/3.1

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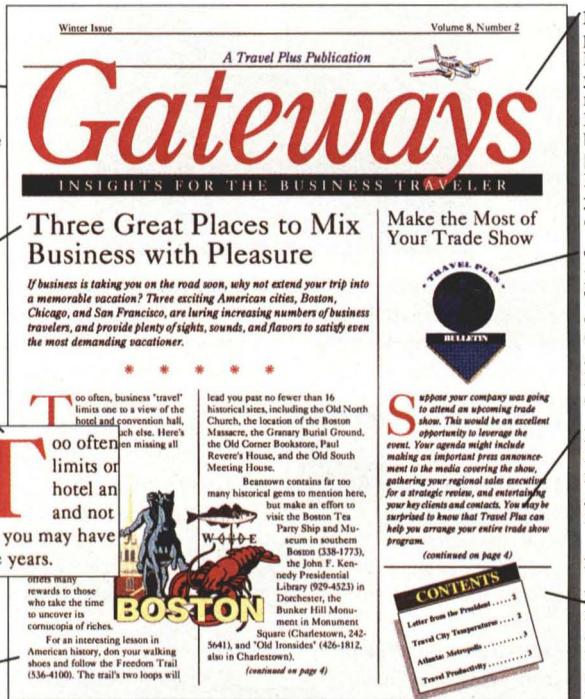

Winter Issue — Volume 8, Number 2

A Travel Plus Publication

Gateways

INSIGHTS FOR THE BUSINESS TRAVELER

Three Great Places to Mix Business with Pleasure

If business is taking you on the road soon, why not extend your trip into a memorable vacation? Three exciting American cities, Boston, Chicago, and San Francisco, are luring increasing numbers of business travelers, and provide plenty of sights, sounds, and flavors to satisfy even the most demanding vacationer.

* * * *

Too often, business "travel" limits one to a view of the hotel and convention hall, [illegible]ch else. Here's [illegible]en missing all

Too often limits or hotel an and not what you may have these years.

offers many rewards to those who take the time to uncover its cornucopia of riches.

For an interesting lesson in American history, don your walking shoes and follow the Freedom Trail (536-4100). The trail's two loops will lead you past no fewer than 16 historical sites, including the Old North Church, the location of the Boston Massacre, the Granary Burial Ground, the Old Corner Bookstore, Paul Revere's House, and the Old South Meeting House.

Beantown contains far too many historical gems to mention here, but make an effort to visit the Boston Tea Party Ship and Museum in southern Boston (338-1773), the John F. Kennedy Presidential Library (929-4523) in Dorchester, the Bunker Hill Monument in Monument Square (Charlestown, 242-5641), and "Old Ironsides" (426-1812, also in Charlestown).

(continued on page 4)

BOSTON

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(continued on page 4)

CONTENTS

Letter from the President 2
Travel City Temperatures 2
Atlantic Metropolis 3
Travel Productivity 3

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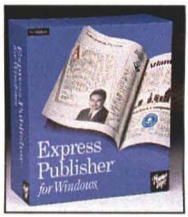

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CIRCLE 244 ON READER SERVICE CARD

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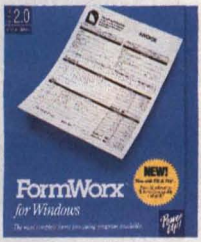

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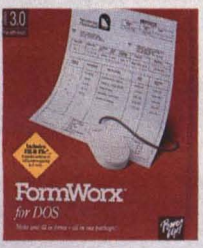

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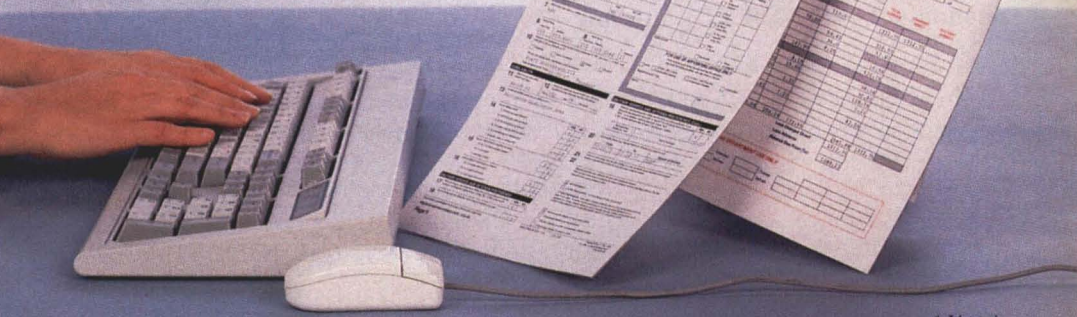

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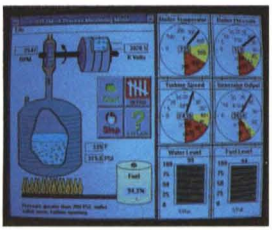

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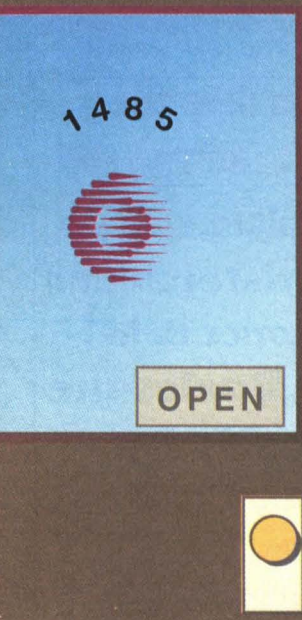

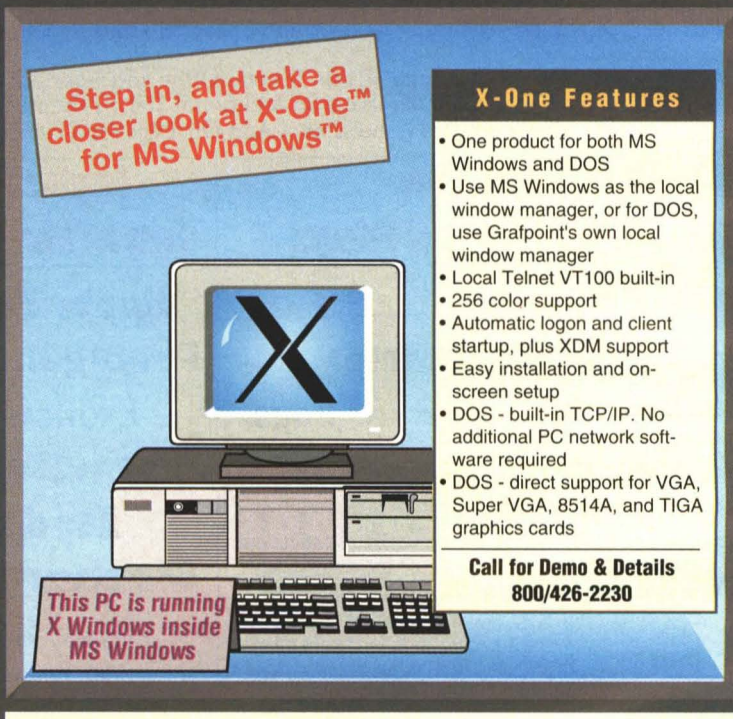

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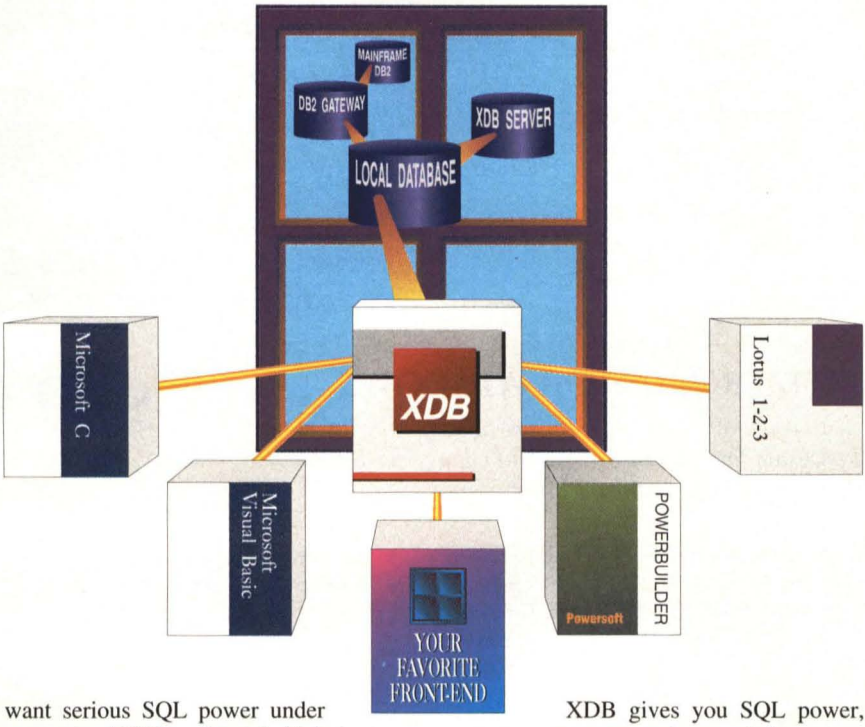

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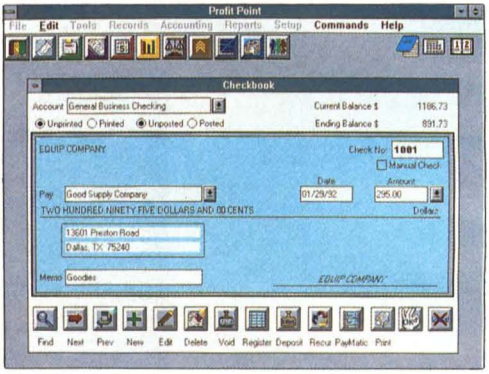

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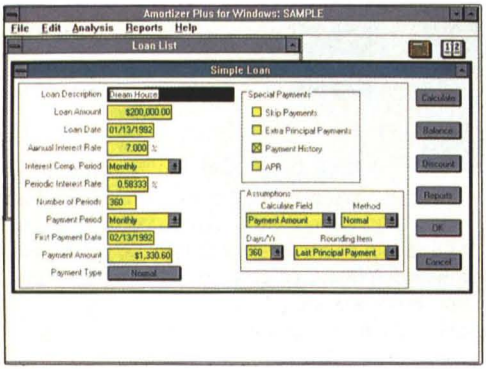

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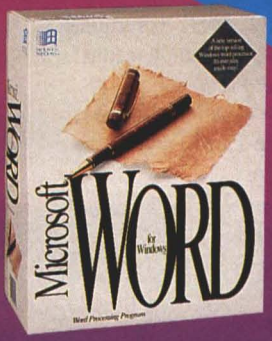

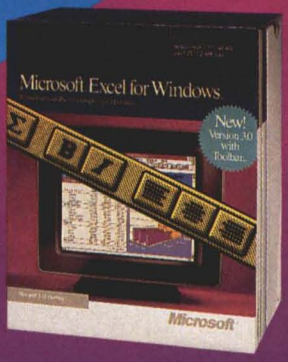

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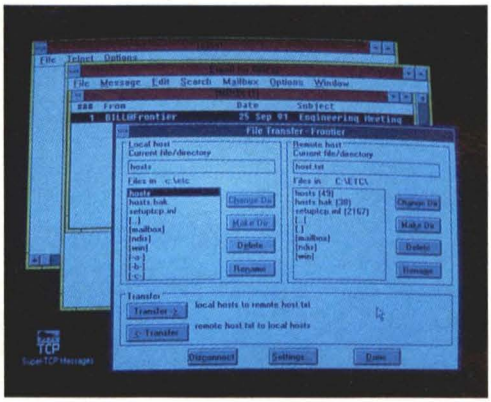

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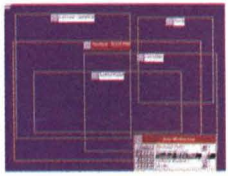

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PC MAGAZINE EDITORS' CHOICE February 28, 1991 WideAngle

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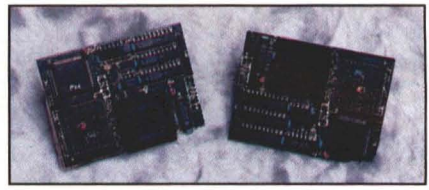

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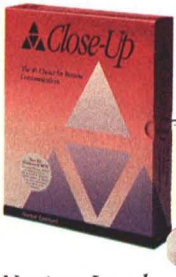

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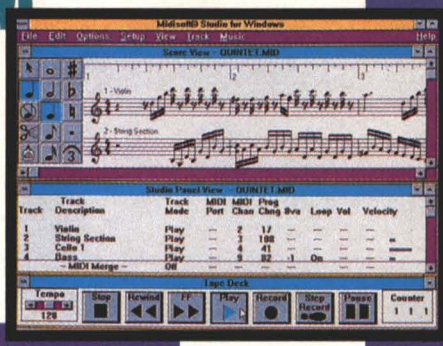

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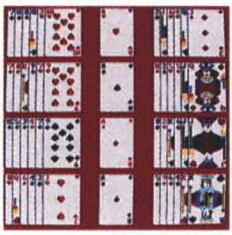

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Presenting Hardware Products for Microsoft® Windows™ 3.1

To make the most of some of the highly sophisticated software applications showcased in this catalog, you'll want a hardware setup that can not only run the Windows operating system version 3.1, but one that can optimize its capabilities. You'll want a powerful system optimized for a multitasking environment and the application programs' sophisticated data handling, communicating, and sharing features. Plus you'll want to know what the latest changes to the operating system can mean for your hardware setup.

The minimum requirement to run Windows is a 286-based computer with one megabyte of memory and an EGA display. But, you may want a more powerful machine especially as PCs become more affordable. And, with the latest innovations in multimedia, networking and pen-based computing, you might want specialized peripherals too. You'll find information on all this and more in this section of the catalog.

New Improvements Make Windows 3.1 Easier to Use and Faster

New features in Windows 3.1, many suggested by Windows 3.0 users and incorporated by Microsoft in response to user feedback, include improved installation, making Windows better at detecting more hardware configurations and optimizing itself for better performance both in single-user and network setups. Multimedia capabilities, better support for networks, and faster overall performance promise to make Windows 3.1 popular with advanced users.

RAM and Hard Disk Space Is Important, and Now More Affordable

If your system lacks enough RAM or hard disk space to run Windows to the maximum, you may want to upgrade. RAM prices are down, and hard disks are well-priced to make upgrading reasonable.

As long as you're using a 80286- or 80386-based PC with at least 1 MB of RAM, Windows (and Windows-based applications) will run in the microprocessors' protected mode, which means that it can use all the RAM between 640K and 1MB that MS-DOS normally ignores, plus any above 1MB. This memory management scheme, called Standard mode, leads to an immediate, dramatic improvement in the amount of RAM available to applications for Windows and hence to a great improvement in their performance. And it eliminates the endless need to find a configuration for your AUTOEXEC.BAT and CONFIG.SYS files that will scrape out another 5K of RAM.

The result is what seems like the world's cheapest RAM upgrade. Because Windows-based applications run in protected mode, they are no longer limited by the so-called 640K barrier.

Windows can use another memory mode, depending on your hardware: 386 Enhanced mode. This memory mode, available on 80386- and 80486-based machines with more than 2MB of RAM, adds two important capabilities to those offered by Standard mode: the ability to run character-based applications in a window rather than in a full screen and virtual memory, a way of using hard-disk space to simulate RAM so that Windows can perform as if it has access to many times as much RAM as is actually available. On a 4MB 80386, Windows might report having as much as 80MB of RAM available for use, depending on how much space on your hard drive is free. This virtual memory is available even to certain advanced MS-DOS-based applications running under Windows on a 80386- or 80486-based PC.

New Laptops Are Optimized to Run Windows on the Road

If you standardize on Windows in the office, you'll also want to use it on the road. To get good performance from Windows on a laptop or a portable, you need at least a 286 or 386 machine that runs no slower than 12 MHz, 1 to 2 megabytes of RAM, and a hard disk. That eliminates most of the super-lightweight class of laptops. But a good number of laptops and portables now show up on Microsoft's list of 3.1-compatible hardware.

Laptop designers have begun to introduce models especially adept at running Windows, and today's new 386SX™ laptops are ideal for users of Windows . The consummate laptop has an available 60-megabyte hard drive,

at least 2 megabytes of RAM expandable to 5 megabytes, enough external serial ports to accommodate a mouse and a printer and perhaps an external modem or other device. You'll also want a portable with a good crisp display.

Mice and Other Devices Make Using the Interface a Cinch

A mouse is almost a must for Windows, and today's market gives you more choices than ever before. Alternate input devices like trackballs are better than ever before too. And don't forget joysticks for after-hours games. If you use the Windows operating system on a laptop, you'll also want to make sure that you have the ability to point and click, and that means that you'll want a portable pointing device. A number of vendors now offer portable trackballs that attach to the side of your laptop, making computing on planes and trains more practical and comfortable. In the Windows graphical environment, using the best input device for the job—whether it's creating computer-aided design, playing the latest game, or computing on the road—can make all the difference.

VGA Graphics Boards and High-Quality Monitors Let You See the Difference Windows Makes

The Windows interface looks better on an EGA color display and best on VGA. A VGA graphics board and high-quality color monitor make all the difference when you're working with graphics and desktop publishing, and for any multimedia project. Plus with the new TrueType® scalable font technology, you'll want a display that shows off the fonts at their best and lets you work with them more easily.

You'll Find Support for More Printers

A new universal printer driver called UNIDRV means that Windows 3.1 will support nearly 250 printers. Good news: Print Manager improvements let the Windows operating system resume a stalled print job automatically. In addition, TrueType scalable fonts in Windows 3.1 offer high-quality output on any printer that Windows supports.

Depending on the printer you're using—whether PCL or PostScript® or just a dot matrix—TrueType fonts are automatically converted to bitmap images or outlines. PostScript, and some PCL, printers use both bitmaps and outlines, while dot matrix printers use just bitmaps. You'll print the fonts faster with TrueType fonts, because the font technology in Windows 3.1 sends only the characters you request to the printer, rather than the entire character set. Used with a powerful PostScript or PCL printer, this new technology makes producing professional-looking type easier and faster under Windows 3.1.

Pen-Based Computing Is Now Possible with Windows 3.1

If you've always dreamed of being able to abandon your keyboard for a pen, you know it's now possible, thanks to the new pen-based computers now on the market. These new PCs feature a stylus that lets you draw, select and write directly onto a special screen. Most of these new PCs will use Windows for Pen Computing—a version of Windows 3.1 that let's you use specialized pen applications as well as standard Windows-based applications with a pen.

Audio Cards and Other Multimedia Devices Take Advantage of the New Features in Windows 3.1

Multimedia is not only hot, it's real: PCs can handle audio and video input and output, and hardware vendors are producing lower-cost, easy-to-use devices for multimedia computing. Now that add-in audio cards have come down in price, it makes sense that Windows 3.1 offers audio, specifically waveform or PCM audio and MIDI synthesized audio. Also look for videodisc and videotape devices and full multimedia PC systems that integrate multimedia computing under the multimedia extension to the Windows operating system.

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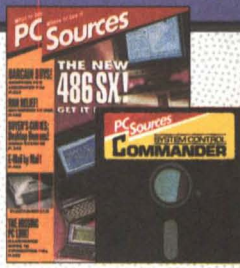

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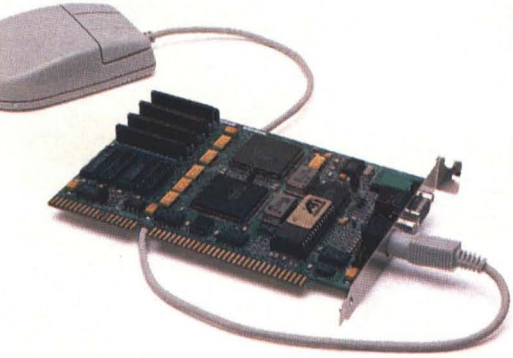

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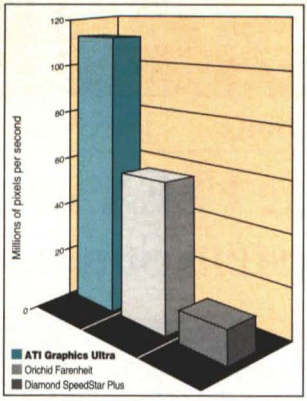

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intel inside

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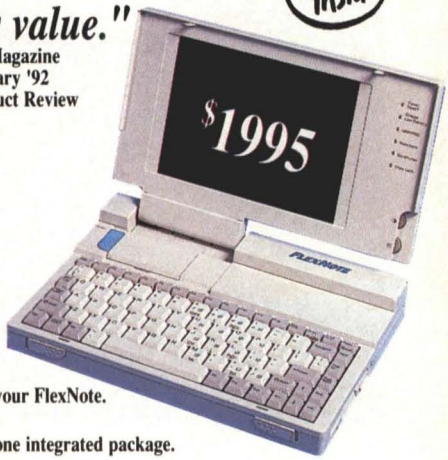
Product Review



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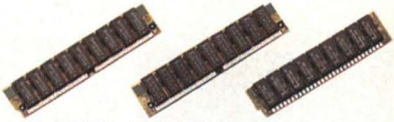

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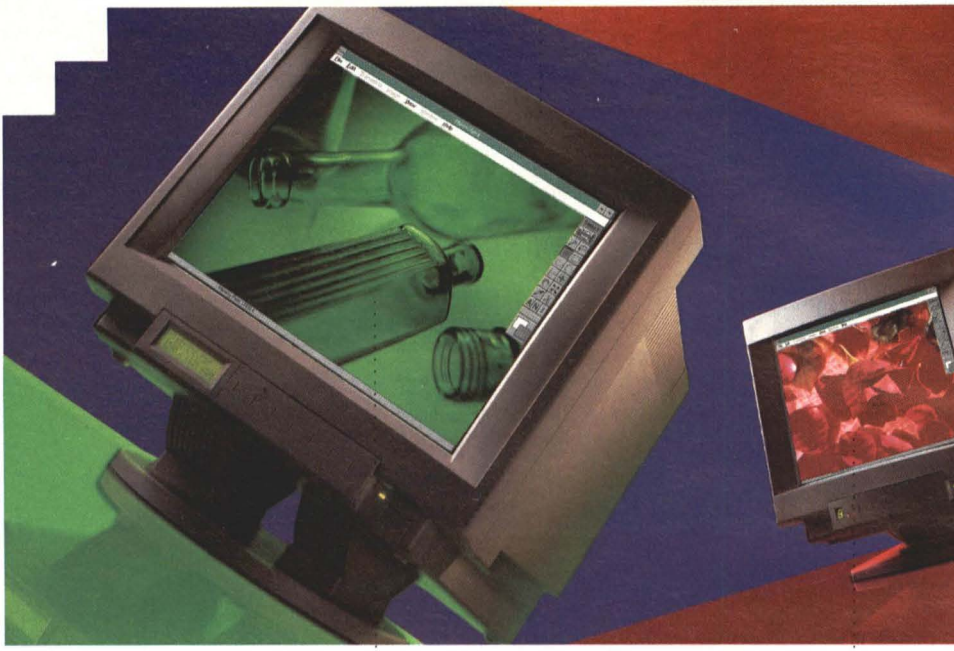

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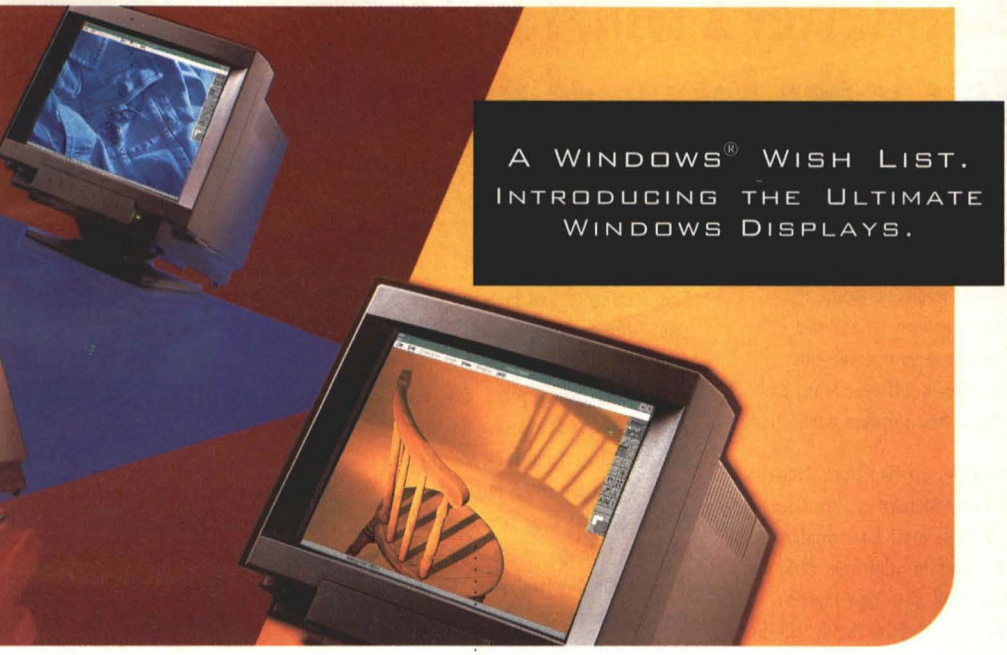

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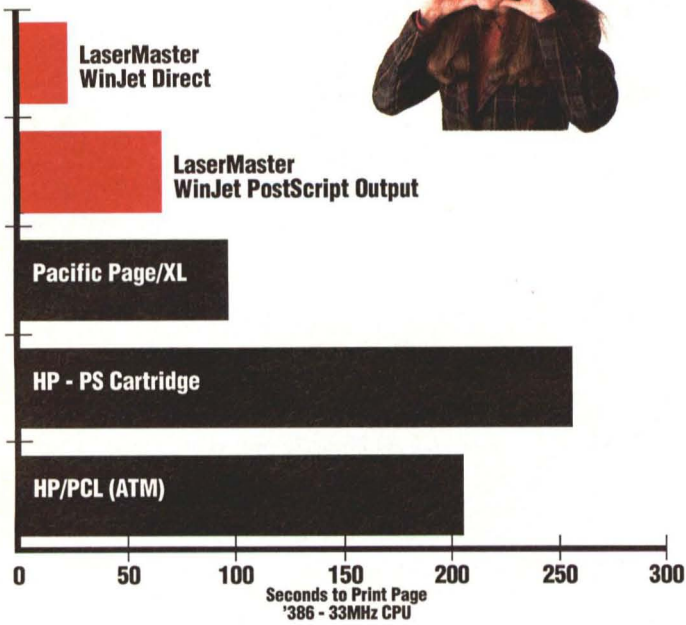
Stop waiting around for your work to print. With a WinJet™ or WinPrinter,™ your work will print *from 3 to 100 times faster* than it prints now. Print your complex pages using the direct GDI print driver and they will print in seconds, not the usual long minutes. And because of their revolutionary host-based design, every time you increase the power of your computer you'll automatically increase the speed of your WinJet or WinPrinter.



Average Times to Print Nine Industry Benchmarks

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Don't take our word for it. Here's a sample of what the industry has been saying about LaserMaster's WinPrint family:

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PC Magazine, March 17, 1992

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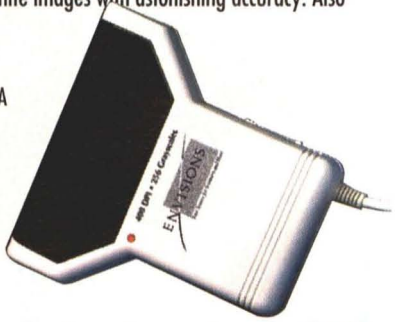

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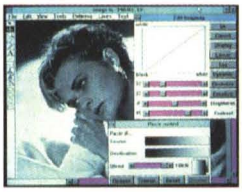

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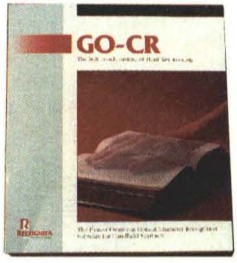

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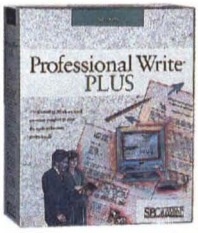

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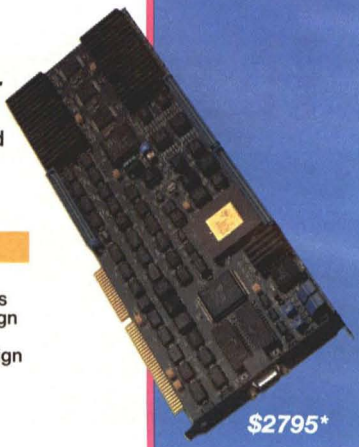

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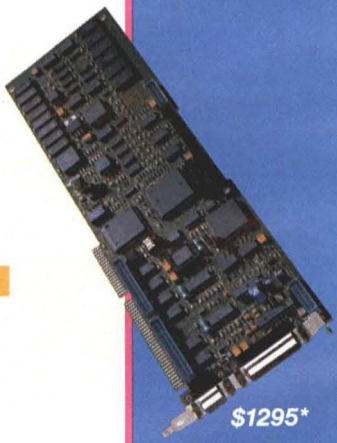

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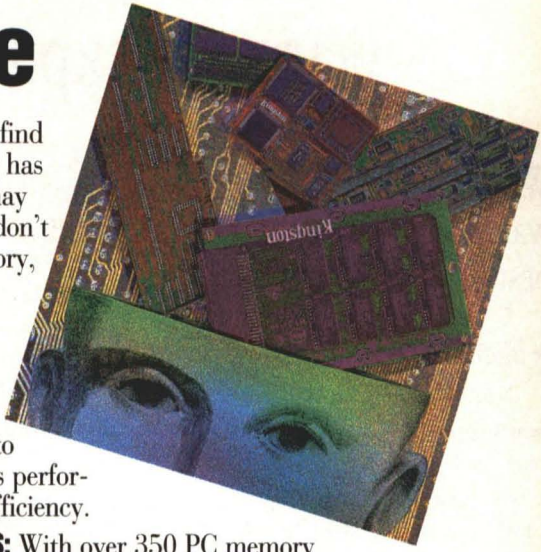

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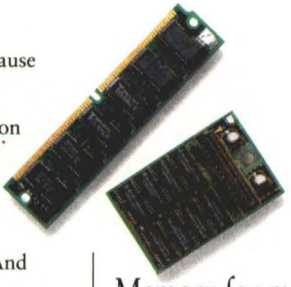

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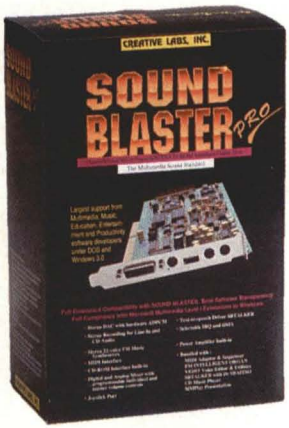

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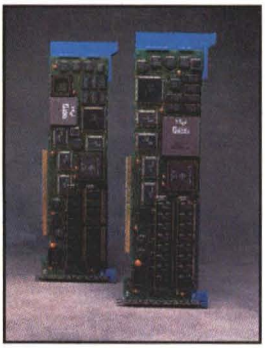

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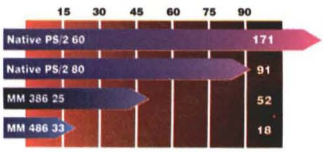
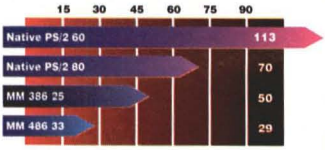


DOS Paradox 3.5



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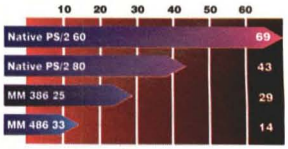

Benchmarks shown in these charts are based on real world applications, taking into account CPU, memory, disk, and video performance. Smaller numbers indicate higher performance.

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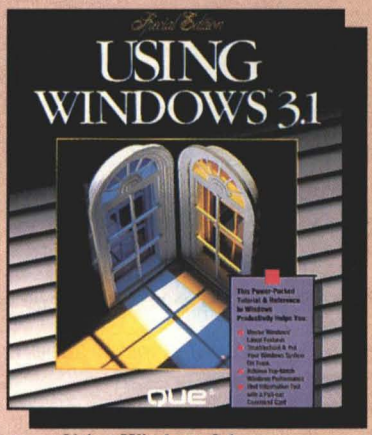

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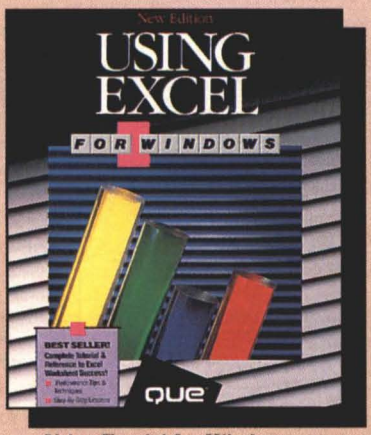

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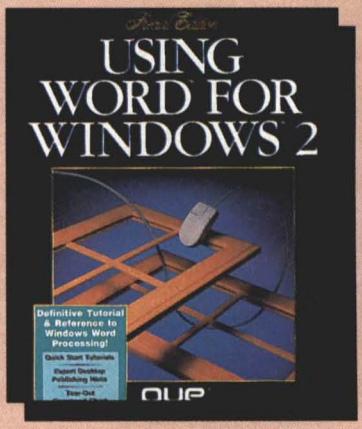

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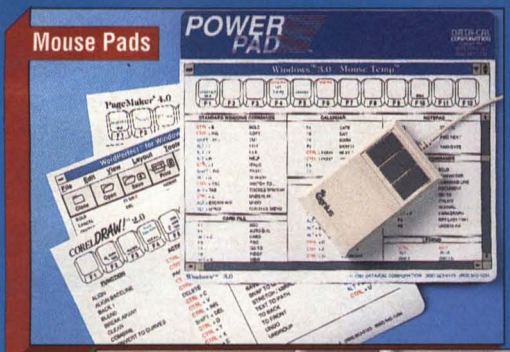

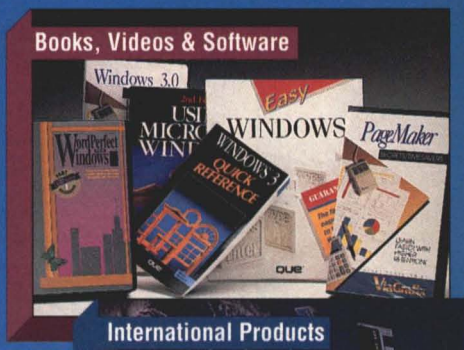

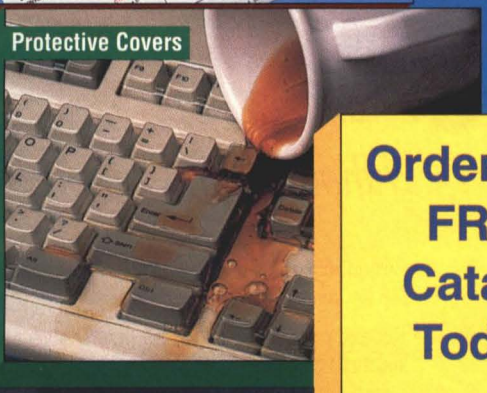

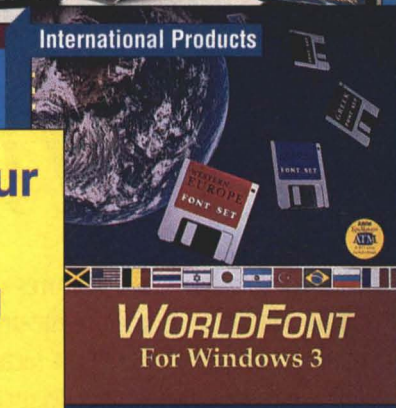

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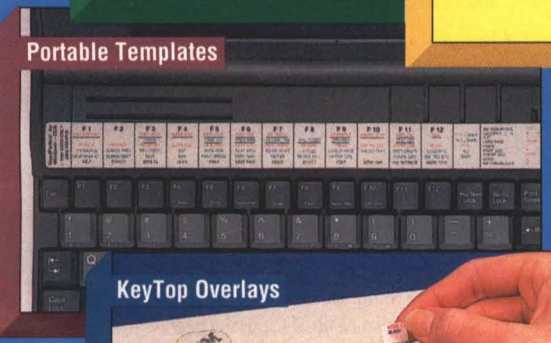

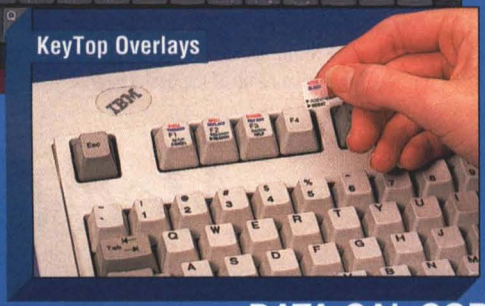

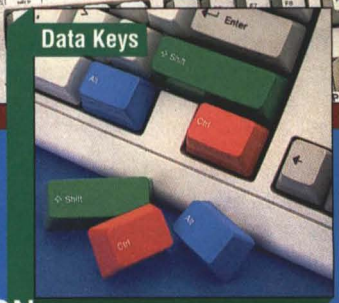

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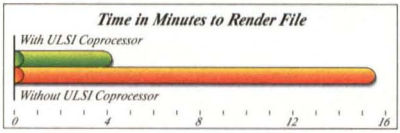

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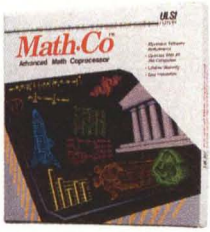

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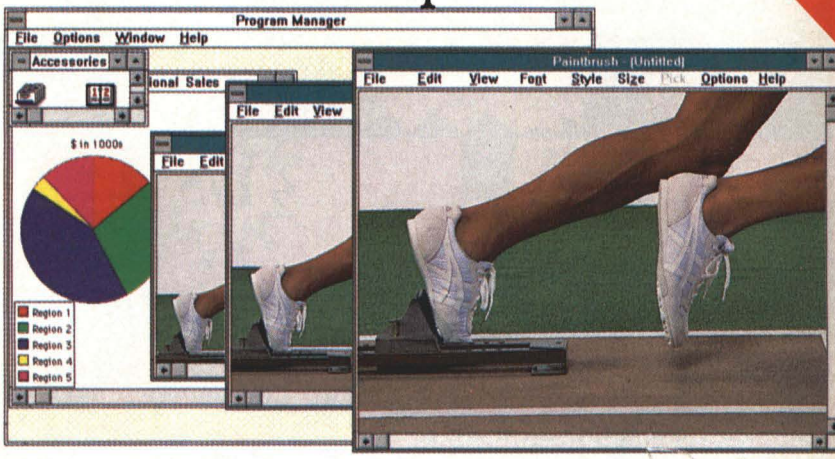

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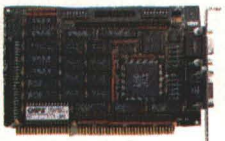

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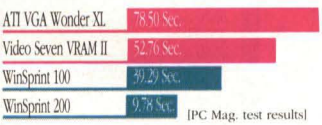

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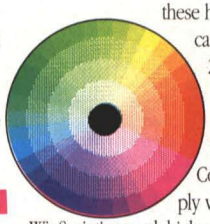

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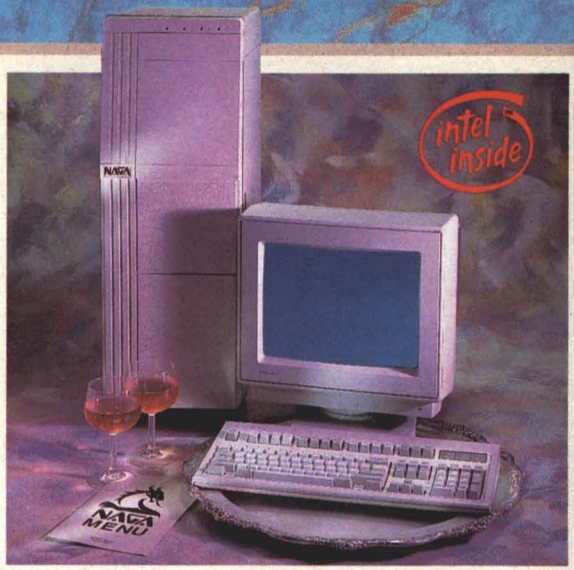

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USER'S COLUMN

Sound Blaster
One of the boards we installed in the Arche 486 was Sound Blaster. With its associated software, it has quietly (no pun intended, but what the heck) become the standard sound system for advanced PCs. The Roland board has much higher sound quality for a higher price, but for anything short of professional music quality, Sound Blaster is good enough.

There are lots of other accessories you can get for Sound Blaster, including musical instrument software and a voice editor. Sound Blaster has become the standard sound board, if not for the industry, at least here at Chaos Manor. Recommended.

Jerry Pournelle

PC GAMES

SOUND BLASTER PRO

By Barry Brenesal

The Marines may look for a few good men, but any PC game player will gladly settle for a single good sound card: one that plays both Sound Blaster and AdLib scores, one that doesn't fry your other boards, one that never draws attention to itself, one that delivers all the sophisticated sound effects and music bundled into the latest batch of game software.

Look no further: Sound Blaster Pro does it all, and more. At $299.95 it's not cheap, but neither are its features.

Testing: One, Two . . .

Installing Sound Blaster Pro is a snap. The 16-bit card slips easily into place. It comes with a

Trying out Sound Blaster Pro is a treat. It's got great frequency response — that's the difference between listening to a film score on a tinny, muffled AM radio and hearing it on a stereo movie-theater speaker system. The orchestral soundtrack to Origin's Wing Commander is a good example, because it changes mood and melody to match the success of your current battle. Add Sound Blaster Pro to a good VGA screen and a responsive joystick (which you can plug into Sound Blaster Pro's joystick port), and the illusion of dogfighting aliens in a George Lucas-style film becomes 3-D, symphonic reality.

Another plus is the absence of the annoying background hiss

In short, Creative Labs' Sound Blaster Pro is a big winner. It's quick to install, easy to use, full-featured, and compatible with Sound Blaster and AdLib files. Signal response is excellent. And don't forget

COMPUTE

SNEAK PEEKS

SOUND BLASTER PRO

In just two years, the Sound Blaster has become one of the the most widely-supported PC sound cards. It's easy to see why. The Sound Blaster contains an 11-voice FM synthesizer that makes it fully compatible with the popular Ad Lib Music Card. The day it hit store shelves, the Sound Blaster could be used with hundreds of Ad Lib compatible games and educational programs. To add even more value, the original Sound Blaster included a DAC (Digital to Analog Converter) for digitized voice and sound effects, a microphone jack for voice input, a built-in game port, a built-in 4-watt amplifier, and an optional MIDI interface.

The built-in mixer makes the Sound Blaster Pro fully compliant with Microsoft's Multimedia Level 1 Extensions to *Windows*. Multimedia software will be able to fade-in, fade-out, and pan the various audio sources to create elaborate sound montages.

The Sound Blaster Pro includes a CD-ROM interface for either an internal or external CD-ROM player.

There's also an internal connector for CD-Audio. The MIDI interface is compatible with the original Sound Blaster's MIDI interface, but adds the MIDI time-stamp that's part of Microsoft's new multimedia standard.

All in all, the Sound Blaster Pro is chock-full of new features, yet it's fully compatible with its younger brother.

DAVID ENGLISH

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PC HOME JOURNAL

SOUND BLASTER DOES IT ALL

Review by Harvey Bernstein

The Sound Blaster has so many audio applications packed into one half-sized board that it almost boggles the mind. First, it has an 11-voice stereo music synthesizer that is fully compatible with the widely used AdLib sound format. Older software that only supports the AdLib board will automatically turn on the AdLib mode — no adjustment by the user is necessary. A separate channel is exclusively for reproducing digitized speech. A microphone jack on the back of the card allows you to digitize your own input voices. With a 4-watt stereo amplifier built in, you can run speakers or headphones directly from the card — no additional amplification is necessary. A standard joystick port also doubles as a MIDI interface, allowing you to connect a synthesizer or any other MIDI instrument. Combine this with an excellent library of software, and it is easy to see why the Sound Blaster has become so popular.

The Sound Blaster

is the Sound Blaster worth the investment? Yes, yes, a thousand times yes!!! When you hear how much the Sound Blaster increases the capabilities of your PC, you'll wonder how you ever got along without one. PC

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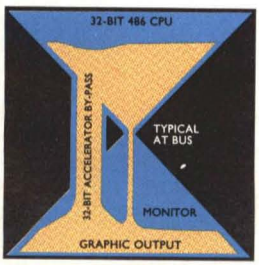

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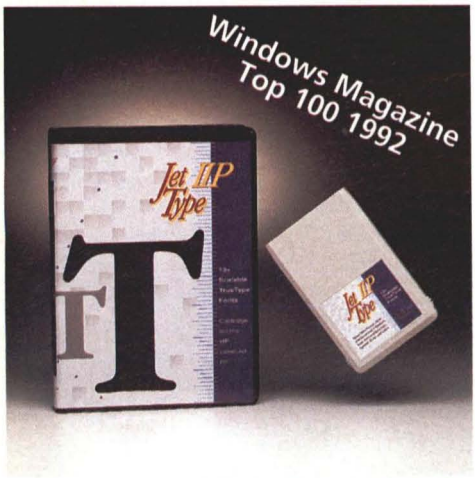

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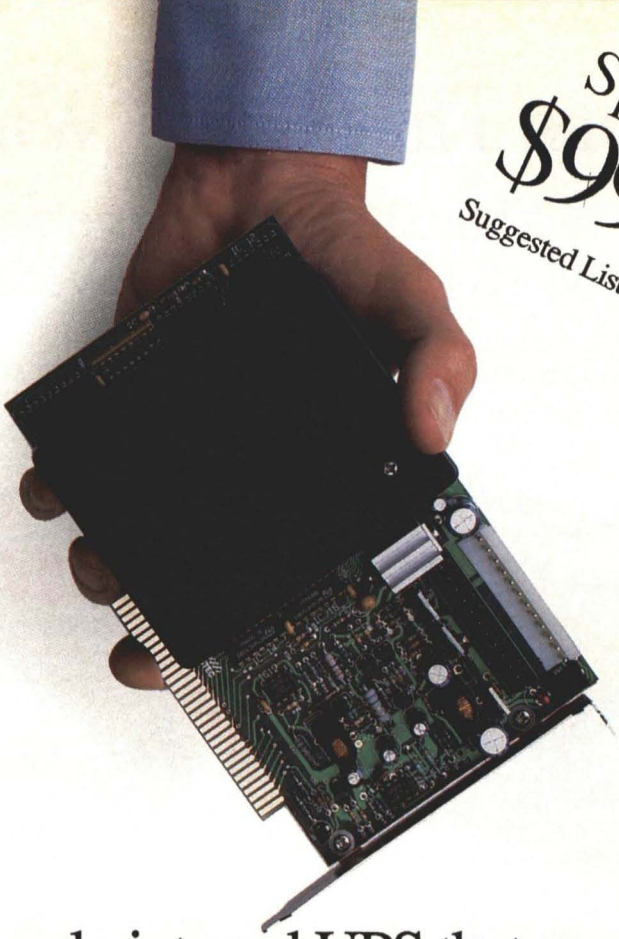

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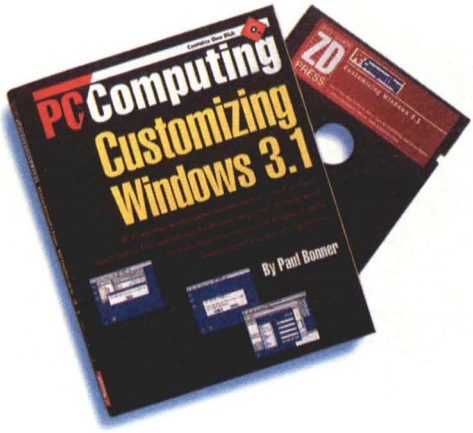

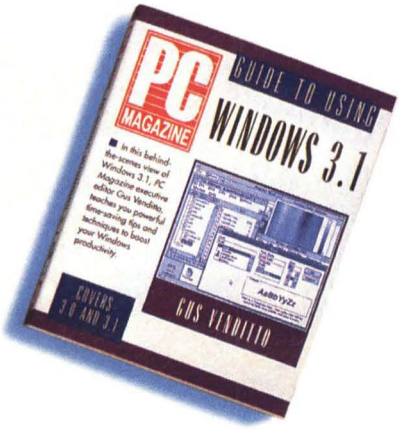

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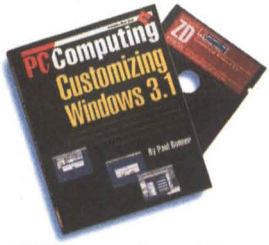

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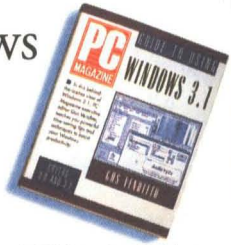

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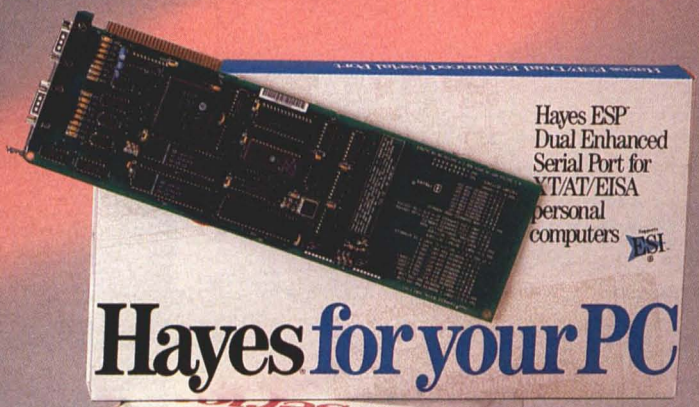

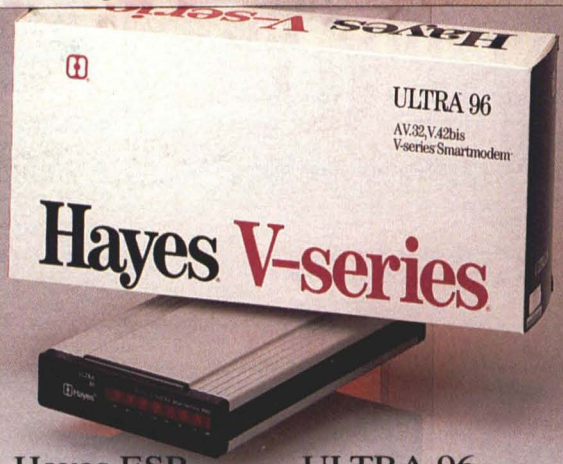

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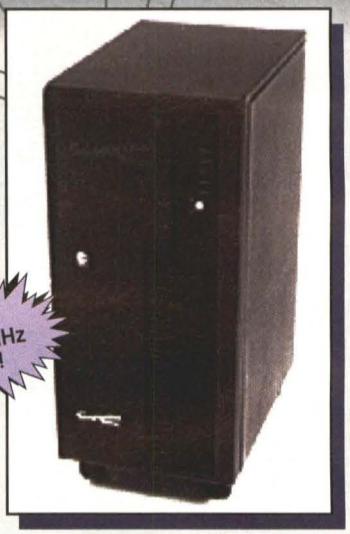

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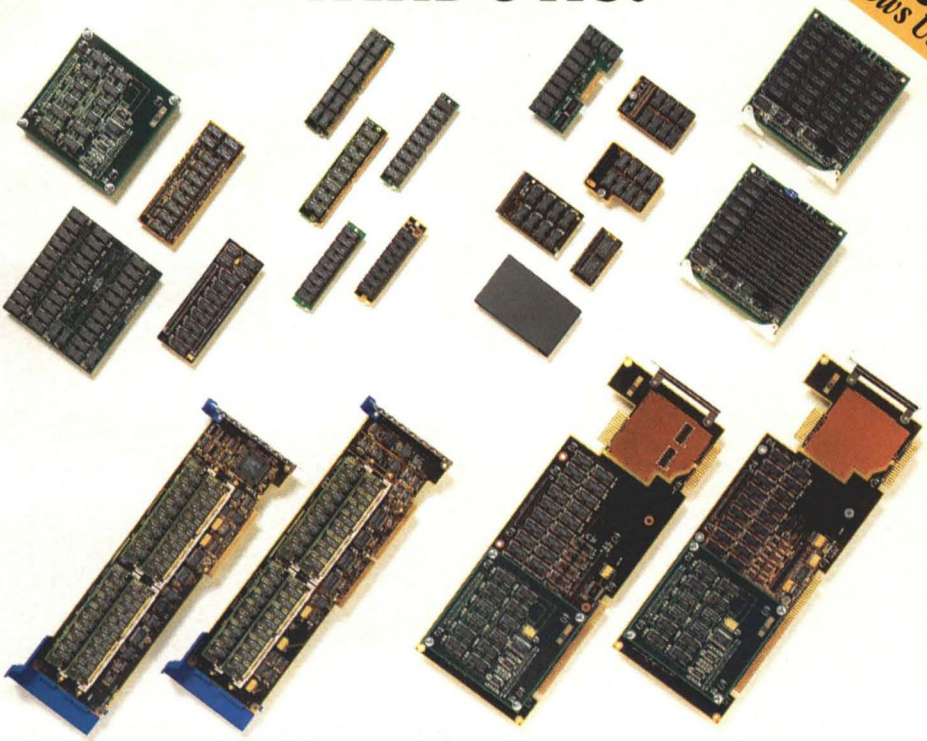

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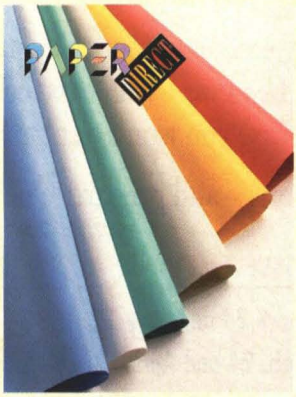

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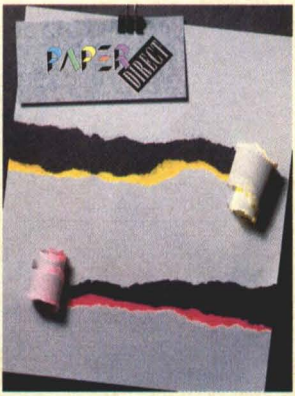

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PC Magazine	April 28 and May 12, 1992
PC Week	Feb. 24 and April 13, 1992
PC/Computing	May and June, 1992
Computer Shopper	May and June, 1992
PC Sources	May and June, 1992

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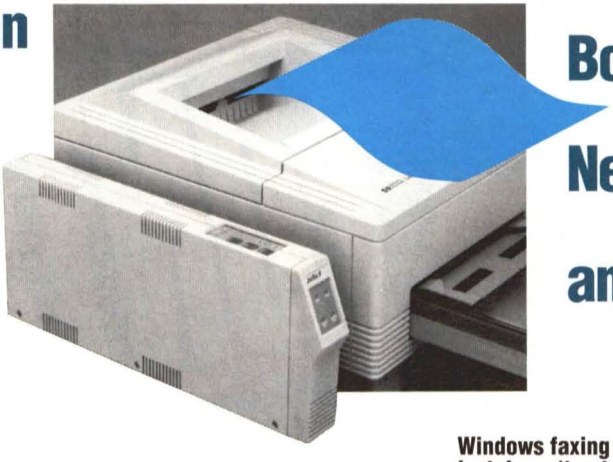

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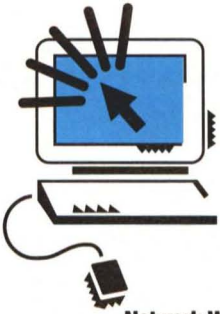

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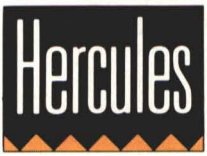

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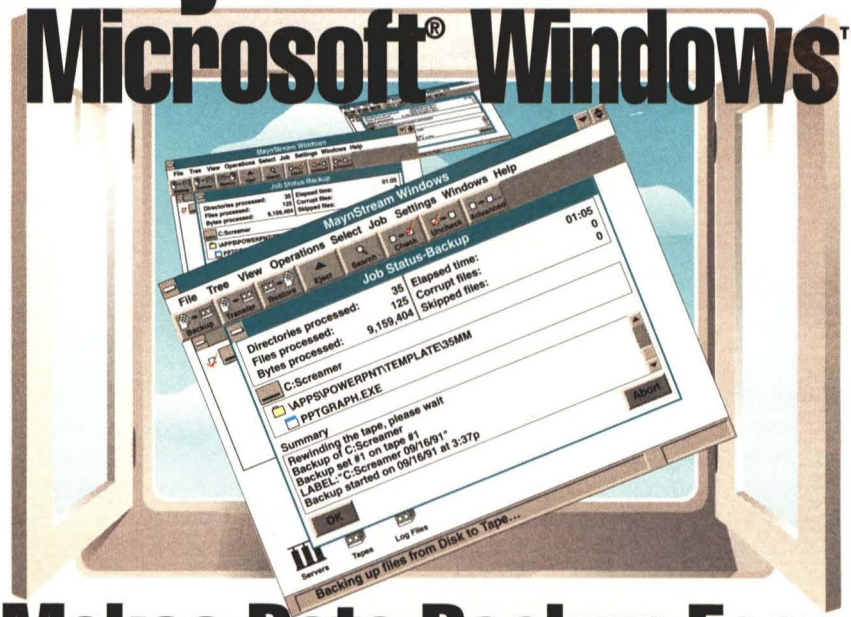

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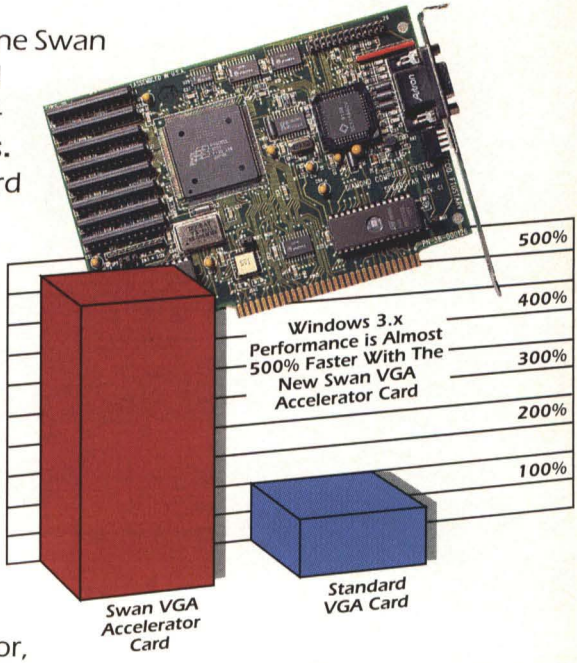

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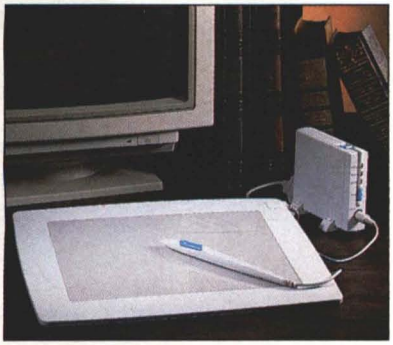

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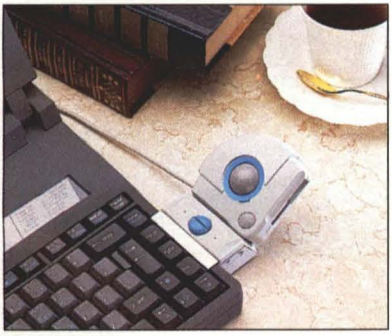

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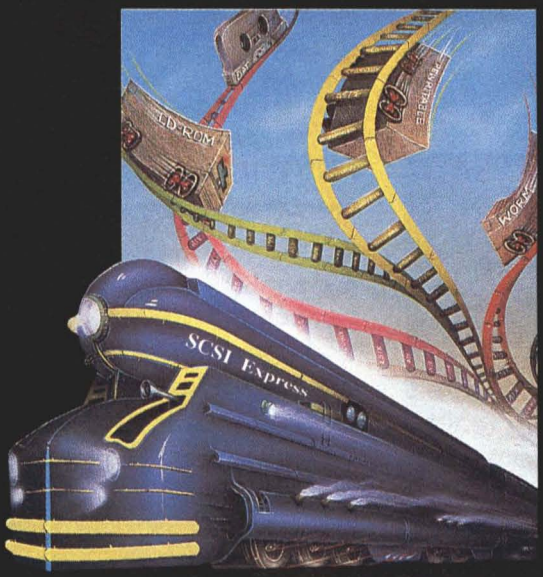

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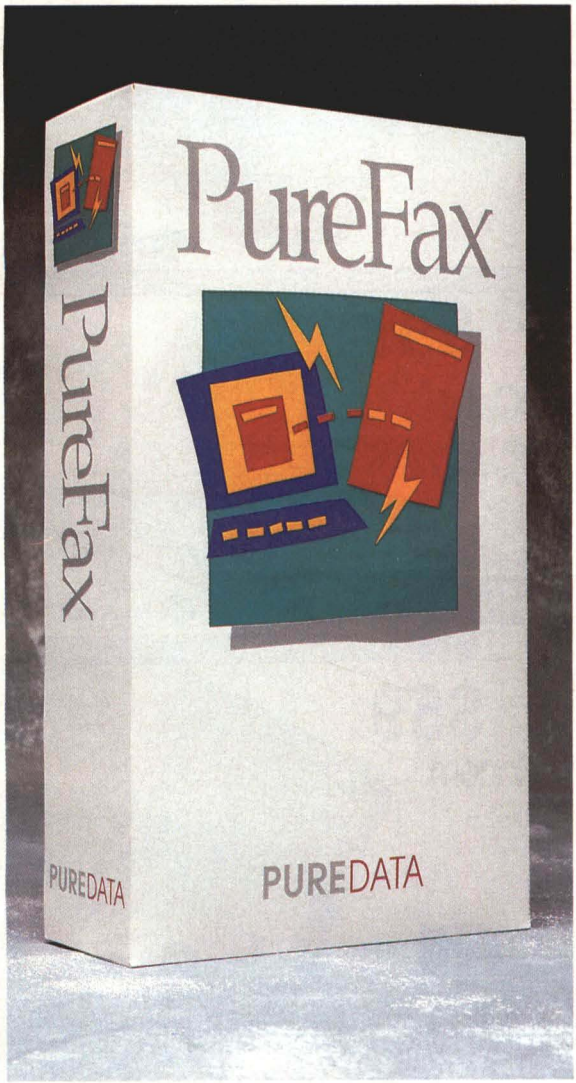

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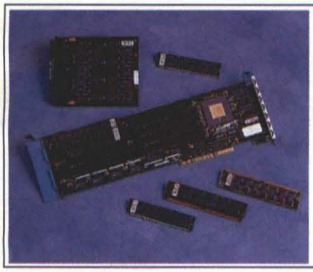

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FSI stocks memory upgrades for all IBM PS/1, PS/2 and RISC systems. We also have memory for the new L40SX and N33SX laptop! Our wide selection includes memory for the following:

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FSI carries upgrades for all Toshiba notebook, laptop and desktop systems including the new 4400SX. FSI also stocks memory for all other models such as:

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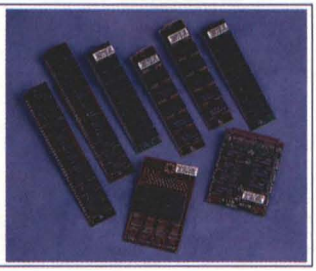

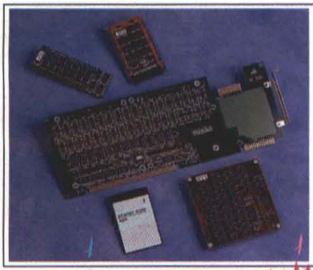

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NEC

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COMPAQ LTE286; 386S/20, SLT286; 386, Portable 386/20
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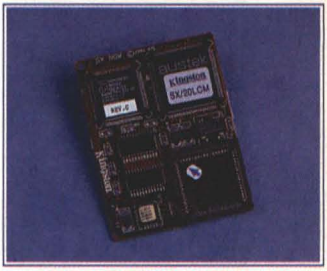

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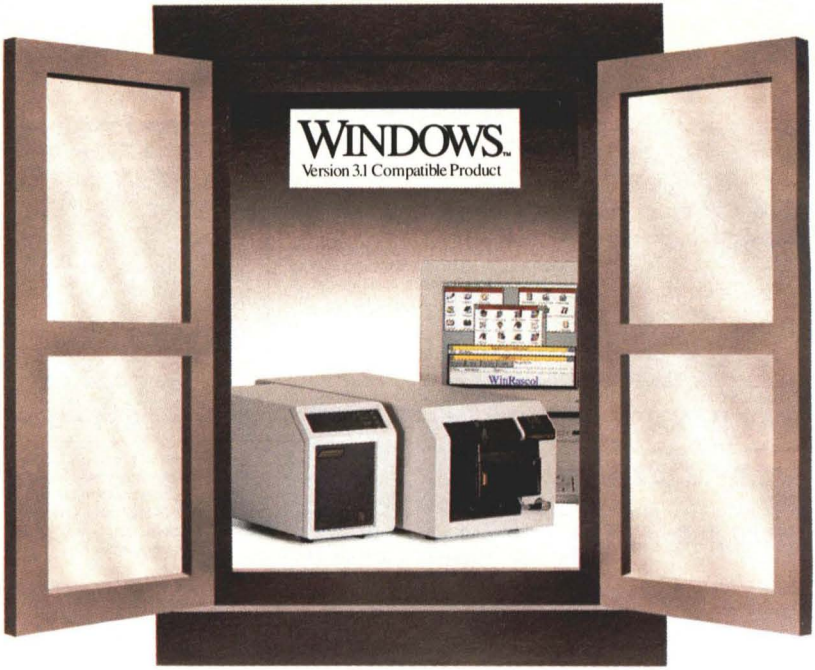

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63 min. 4 sec.	**PC Busy Time**	26 min. 5 sec.
63 min. 10 sec.	**Total Time**	26 min. 11 sec.

PC used: 386, 33MHZ, 4MB RAM

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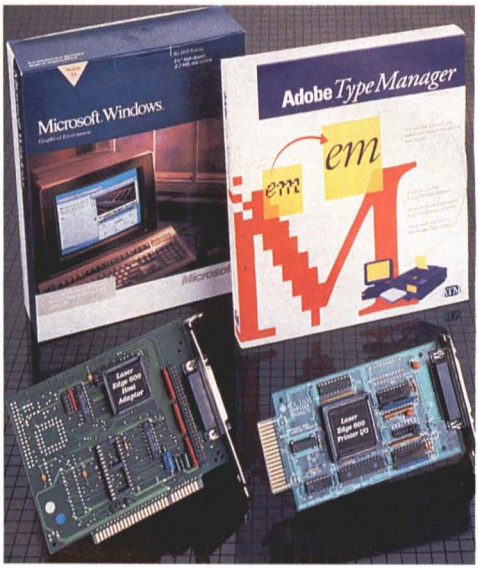

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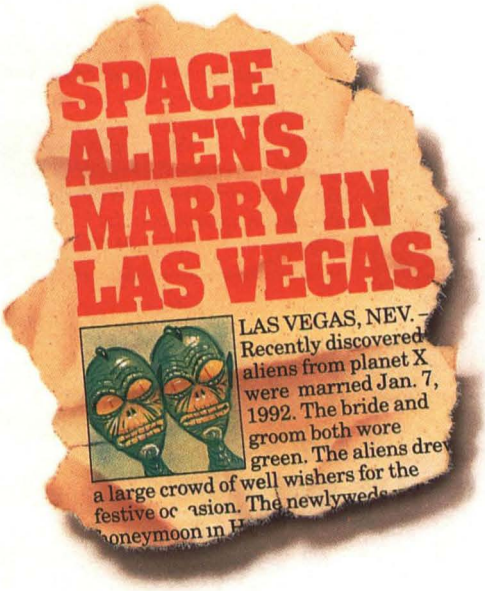

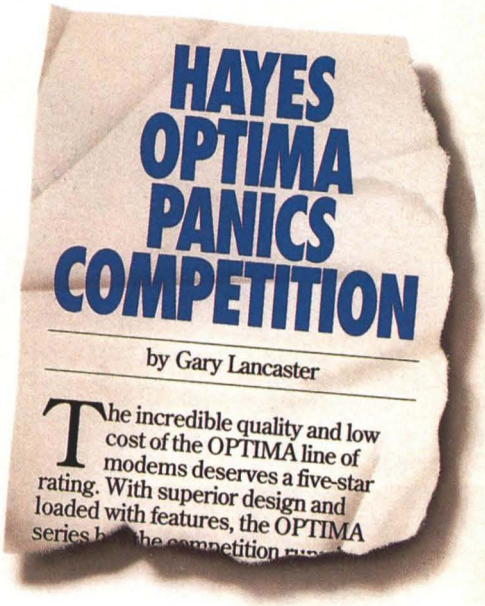

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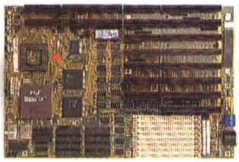
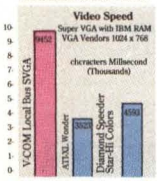
CIRCLE 185 ON READER SERVICE CARD

With features like 32-bit local bus and 142-key keyboard,

Keeping pace with technology – this has always been our goal. As new innovations and new ideas arrive, V-COM is always the first to make them available to the consumer. Now we present to you the V-COM 486 Local Bus System-a ground–breaking product which has us very excited. • What is "local bus"? Well, put simply, it is an inexpensive way to take full advantage of your 486 CPU's 32-bit processing capability. You see, the 486 CPU was designed to communicate with the rest of the computer through a 32-bit bus. The problem is that a 486 ISA bus system can only accommodate 16-bit I/O cards (graphics cards, disk controller cards, LAN devices etc.). In these systems, the CPU still has 32-bit communication with the on-board RAM, but everything slows down when it is force to send or receive information through a 16-bit ISA bus I/O device (such as when it needs to access information on a disk drive or send a video signal to the monitor). Until now, the only way to utilize the 486 CPU's full capability was to spend about an extra $1,000 to buy an EISA bus system. Now with the V-COM 486 Local Bus System, you can get the speed and performance of EISA for about the price of an ISA system. What's more, our local bus system is fully upgradable, accomodating the full range of 486 CPU's, from 486SX-20 to 486DX-50. What does this all mea to you? At last you can enjoy the performance of full 32-bit operation without spending a lot of money. Windows and CAD/ CAM users will be amazed at the increased speed which the local bus provides. Everyone will rejoice when they see how little this system costs. Now you can see why we are so excited about this product. To compliment your high–performance 486 local bus system, we include a 32-bit local bus SVGA graphics



This device allows your monitor to display up to 32,768 colors and offers resolutions of up to 1280 x 1024. And if speed is what you need, this card's 32-bit bus allows it to operate 2.5 times faster than standard SVGA ISA cards currently available.



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- 80486DX-33 Processor • Math Coprocessor
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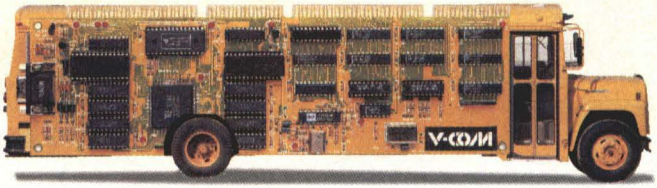

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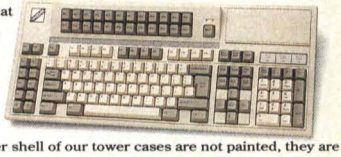

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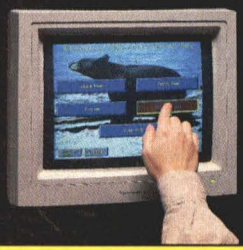

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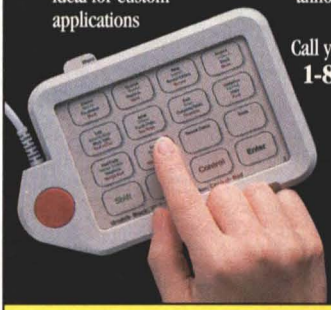

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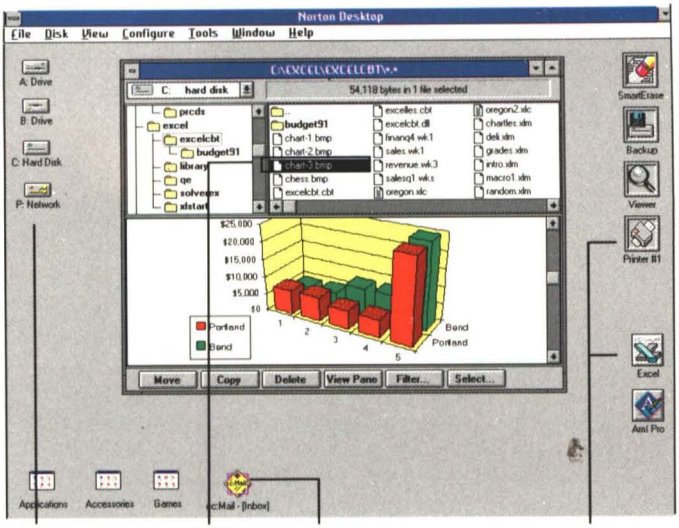

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Norton Desktop Version 2.0 for Windows is compatible with Windows 3.1.